

TWIG-BENDER

Volume 6 - #110 - May 6, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.
Editor: Jay Hopkins

THIS WEEK MAY 9-13

MON- Floriculture Discussion:
*Determination and Floral
Initiation*, Mike Evans,
1pm, 398 AldH

- Discussions in
Horticultural Research:
*Coherence of Characters
in Interspecific Grape
Crosses*, Debby Filler,
7pm, Fireplace Rm,
McNeal Hall

TUE - Monthly Staff Mtg,
8:30am, 394 AldH

- Project Colloquia: Harold
Pellett, 10am, 415 AldH

- GSC Mtg, 1pm, 398 AldH

- Coffee Hour, 2:30pm, 394
AldH, Hosts: Jim Bartz
and Lois Travis

- Entomology Seminar:
*Acquiring Knowledge For
Expert Systems*, Sharon
Garber, 3pm, Hodson

WED- EBB Seminar: *Protein
Electrophoresis and
Evolution: Is the Party
Over?*, Robert Zink, 4pm,
313 Zoology

THR- Topics For Plant
Membranology: *Calcium
Messenger Systems in
Plants*, Stephen B. Ryu
discusses paper by
Pooviaiah, et al., 4:30pm,
398 AldH

FRI - Plant Hardiness Disc.:
*Evidence For Ideal and
Non-Ideal Equilibrium
Freezing of Leaf Water in
Frosthardy Ivy (Hedera
helix) and Winter Barley
(Hordeum vulgare)*, John

Carter discusses paper by
Hansen and Beck
(available for perusal on
bulletin board in Plant
Hardiness Lab), Noon, 398
AldH

* * *

LOST

Dr. Wilkins' personal projector!
Who has it? Return please.

* * *

STUDENT EMPLOYMENT

Students interested in spending
a quarter on a special project
with the MN Extension Service
in a County Extension Office
should phone Duane Schrader at
625-1782 or Alvin Hagen Student
Employment at 624-5714. There
are eleven project approved and
half are summer quarter
projects. Students must qualify
for student aid to apply.

* * *

CONGRATULATIONS

The following seniors have been
newly elected to Gamma Sigma
Delta, the Honor Society for
Agriculture (representing the top
10% of the sr. class):

Horticulture Majors

Amy N. Burlis
Le Ann M. Forsman
Lori E. Montgomery
Dennis A. Possin
Pamela L. Sanders

Landscape Architecture Majors

Bruce L. Chamberlain
Timothy J. Deckert
Valerie J. Gaeding
Julie A. Kallemeyn
Elizabeth A. Walton
Stephen J. Wensman

Graduate Students Elected

Charleen M. Baker
Peter M. Bierman
Yves Castonguay
Debby M. Filler
Chad E. Finn
Tsia-Yun Lin
Jeff R. Ruguske

* * *

ROCKWALL WKSP

Scottish rock wall builder David
Goulder offers instruction in
rock building at the Arboretum
on four separate all-day sessions
on May 16 (Sec. A), 17 (Sec. B),
19 (Sec. C), and 20 (Sec. D).
Instruction will cover various
techniques including moving
rocks. Wear appropriate clothing
and be prepared for some
physical work. Fee per day is
\$25 including lunch. By
reservation and check in
advance.

Advance reservations and
payments should be sent to MN
Landscape Arboretum, c/o Merv
Eisel, 3675 Arboretum Dr.,
Chaska, MN 55318. Please
indicate which section you will
be attending.

If there are any questions,
please call 443-2460.

* * *

NEW PUBLICATION

Joseph R. Sowokinos and Duane
A. Preston, *Maintenance of
Potato Processing Quality by
Chemical Maturity Monitoring
(CMM)*, Station Bulletin 586-1988

(Item No. AD-SB-3441), Minnesota
Agricultural Experiment Station,
University of Minnesota.

* * *

HORT HORRORS HIGHLIGHTS

Despite the 14-11 loss to FarmHouse/LD PHI Tuesday evening, the Hort. softball team turned in a strong performance in preparation for competitive league play-offs next week. Chad Finn, Dave Larson, Mike Bartolo and Dan Olson provided outstanding hitting efforts, including triples and home runs. Barb Larson's speedy base running was enviable, as was Marcy Taylor's 2nd base slide; but you wouldn't want to duplicate Bridget Ruummele's outfield slide while trying to catch a fly ball. Rick Stapfer's fielding saved many runs, although his pop-up catches were not for weak hearts. Susan Stombaugh stopped several runners at 2nd base, while Dave and Mike teamed for SS to 1st base outs. As always, Joni Roust's pitching was superior, including several strikeouts. Practice is Mon., May 9 at 4:45 pm at the St. Paul gym field.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #112 - May 13, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK
MAY 16-20

* * *

PACKAGES IN BACK HALL

MON- Floriculture Discussion:
*Determination and Floral
Initiation*, Mike Evans,
1pm, 398 AldH

- Disc. in Hort. Research:
*Mechanism of Protection
of Corn Cell Suspension
From Chilling Injury by
Mefluidide*, Zhanguo Xin,
7pm, Fireplace Rm,
McNeal Hall

We cannot function efficiently with all the packages sitting by the mailboxes. If everyone who is expecting a package and/or packages would check the back hallway every day, it would save us tripping over the packages. As long as you're picking up mail anyway, why not remove your packages?

* * *

GARDEN PLOTTERS

TUE - Project Colloquia: David Pitt, Joan Nassauer, 10am, 415 AldH

- Entomology Sem.:
Sampling Colorado Potato Beetles, Penny Ives, 3pm, Hodson

Caution: Some people have been a little too enthusiastic with the tiller and have either tilled out or stomped on planted rows in neighboring plots. Try to be careful. Use the reverse instead of turning around in someone else's plot. Thanks.

Garden Plot Cmte

* * *

EDP FUNDS

WED- Wed. Sem.: *A Long Road Down a Rhododendron Style Or Post-Pollination Reproductive Biology of Rhododendron Prinophyllum (Small) Millais*, Julie Padrutt, 4pm, 415 AldH

- EBB Sem.: *Tropical Temperature During the Pleistocene: Can the Marine and Terrestrial Records Be Reconciled?*, Daniel B. Livingston, 4pm, 313 Zoology

There's been a change in the Educational Development Program. EDP funds will not be divided by formula among Twin Cities colleges, as done previously, but will instead be awarded on the basis of comparative merit to a small number of major projects to improve undergraduate liberal education.

A total of \$180,000 will be available to support two to eight projects at \$20,000-100,000 each that will result in improvements in curricular coherence and active learning in undergraduate liberal education offerings.

THR- Topics For Plant Membranology: *Measurement of Net Proton-hydroxyl Permeability of Large Unimamellar Liposomes with the Fluorescence pH Probe, 9-Aminoacridin*, Junpin Chen discusses paper by Nichols, et al., 4:30pm, 398 AldH

Proposals for improvements in the liberal education of undergraduate students are invited from departments and programs in all colleges on the Twin Cities campus, with strong encouragement given to projects that involve significant interdepartmental or cross-collegiate collaboration.

See Laura for details.

* * *

MURDER HE WROTE

Dr. M. Ascerno will give an in-depth talk on successful control of insects in greenhouses. This is not a "what chemical for" talk, but one that will include background, approaches, methods and techniques. This is a very significant subject when we consider the constant problems we encounter, the removal of some effective chemicals from the marketplace and the need to protect our environment.

He will speaking to the "Greenhouse Management" class, but any interested persons-grad students, technicians, junior scientists, undergraduates and even faculty members are welcome.

Day: Wed., May 25

Time: 1pm

Place: Headhouse Classroom

* * *

CENTENARY SYMPOSIUM

An all-day symposium entitled, "The Microbe in the Real World: Future Challenges in Microbial Ecology and Evolution," will be held Mon.,

May 16, at the Earle Brown Center, beginning at 10am. For further info, contact Amy Okaya at 625-4669.

* * *

NEW PUBLICATIONS

In HortScience, Apr 88:

U.S. Floricultural Education,
R.E. Widmer, p. 255-59.

AS11 Sweet Corn Population,
David W. Davis, Richard J. Zeyen, and James V. Groth, p. 411-12.

Review: *Plant Breeding Reviews*
Vol. 5, David W. Davis, p. 427.

In Journal of the American Society for Horticultural Science, May 88:

Kernel Maturity, Seed Size, and Seed Hydration Effects on the Seed Quality of a Sweet Corn Inbred, Mark A. Bennett, Luther Waters, Jr., and John H. Curme, p. 348-53

* * *

MOVERS WANTED

Debby Filler is looking for volunteers to help her move on Memorial Day Weekend. Sunday & Monday, May 29 & 30. Beer, Pizza and Pop provided. U-Haul already reserved. Contact Debby. Thanks.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #113 - May 20, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK MAY 23-27

MON- Disc. in Hort. Research: *Influence of GA3 and Nodal Position On Long Day Floral Initiation in Euphorbia pulcherrima*. Michael Evans, 6pm, (Buffet at Shirley Munson's home; see item below)

TUE - Faculty Meeting, "Finalize Position Announcement," 8:30am, 394 AldH

- Project Colloquia: Don White, 10am, 415 AldH

WED- Seminar: *Control Of Insects*, M. Ascerno, 1pm, Headhouse Classroom (see calendar item below)

- (No Wed. Sem. this week)

- EBB Sem. (title TBA), Nancy Burley, 4pm, 313 Zoology

THR- Terrestrial Microbial Ecology Symposium, all day, 335 Borlaug (see item below)

- Topics For Plant Membranology: *Cholesterol In the Cell Membrane*, Al Ducommun discusses paper by P.L. Yeagle, 4:30pm, 398 AldH

* * *

LAST CHANCE FOR ERT

We could still use more members for the Emergency Response Team. Margaret remembers interest from Brian Corr, Barb Liedl, Kathy Lloyd, Roger Meissner, and Carl Ruser. Please tell her if she forgot you or you would like to be included now - the information is still posted across from the grad mail boxes.

The training will still be excellent for your own use and the department's. Before the end of May we hope to have mutually convenient dates for training established - it will probably be in June.

* * *

MON NITE DISC AT SHIRLEY MUNSON'S

This week's "Monday Night Discussion" (see calendar above) will be held at Shirley Munson's and a buffet supper will be held at 6pm. Please sign up. Maps are available. (It would help parking if you could car pool.)

* * *

TERRESTRIAL MICROBIAL ECOLOGY

This symposium (see calendar above) is being held in honor of Dr. Edwin L. Schmidt, who has been affiliated with the Departments of Soil Science and Microbiology for nearly 39 years. The itinerary is available for inspection at Kathy's desk in 305.

* * *

LET'S CLEAN UP OUR DAISIES

This Wed., Dr. M. Ascerno will give an in-depth talk on successful control of insects in greenhouses (see calendar item above). This is not a "what chemical for" talk, but one that will include background, approaches, methods and techniques. This is a very significant subject when we consider the constant problems we encounter, the removal of some effective chemicals from the marketplace and the need to protect our environment.

He will be speaking to the "Greenhouse Management" class, but any interested persons - grad students, technicians, junior scientists, undergraduates and even faculty members are welcome.

* * *

MAJORS CURRICULUM CMTE

Our dept. reps. on the COA majors curriculum committee are: Bert Swanson (Ag Industry and Marketing), John Carter (Ag Sciences), and Peter Ascher (Plants/Animals - Production).

* * *

SUMMER SESSION HUMANITIES OFFERING

"Rhetoric 1310: Land In the American Experience" will be offered during SSI from 9:05-9:55, M-F, in 100 Haecker Hall. It has four credits. The course surveys the changing attitudes toward the Land in U.S. cultural history. Literature, the arts, public policies, and the conservation movement are studied to define the values we have attached to the Land.

* * *

GARDEN BREAKFAST

Come plant your garden plot this Saturday morning (5/21) at 10am and enjoy complementary coffee, cocoa and donuts. Here's your chance to meet your garden neighbors.

* * *

ENGAGEMENT ANNOUNCED (see reverse side)

Karl Sauter wishes to announce is engagement to Cristy R. Sensanbaugh, an advisor/counselor for special services TRIO here at the U of M. A July wedding is planned.

* * *

ANOTHER ENGAGEMENT

Just in case someone hasn't heard, Joni Roust and Rick Stapfer are engaged, too! A November wedding is being planned.

* * *

NEEDED: RADISH SUGGESTIONS

Dr. Davis reports a bumper crop of radishes and needs help with innovative ideas for using them (fresh and pickled). Please contact Patti Hung with your ideas. Thanks.

* * *

HAVE FUN SUPPORTING THE ARTS

A fundraiser benefit for Artpaper will be held at the Fine Line Music Cafe on Sunday, June 5th, 7pm to midnight. Dr. Mambo's Combo will be on hand to play their award-winning rhythm & blues. Wild and crazy dress is encouraged. Tickets are a measly \$10. Tickets and more information are available from Angie Klidzejs in Accounting.

* * *

ALDERMAN PROJECT

Warm bodies needed. Please add your name to a list by the back office door bulletin board, then show up to help prepare the bed in the "front" of the bldg. We need rakers, tiller, grubbers,

hoers, movers, & shakers! This includes undergrads, grads, faculty, and staff!

Date: Thr, May 26

Time: 4:30pm

Place: Dead grass in front of bldg.

* * *

SUMMERTIME HAZARD

A new article on the dangers and symptoms of Lyme's disease is posted on the back bulletin board. Disseminated by the deer tick, it is reported to be widespread in Minn. Be safe in the woods or tall grass by knowing what to look for and using tick repellent.

* * *

NEW ARBORETUM IN ST. PETER

Gustavus Adolphus College in St. Peter has a new arboretum, named after eighteenth-century Swedish natural scientist, Carl von Linne. Opening ceremonies to "Linnaeus Arboretum" will take place Sat., May 28, at 2:30pm at the Arboretum Interpretive Ctr. at Gustavus. Guest of honor is Professor Orjan Nilsson, Dir. of the Botanical Garden at Uppsala University, Uppsala, Sweden, who will conduct a lecture, "Life and Work of Linnaeus," at 10am, in Bjorling Concert Hall. All are welcome.

* * *

GRANDCHILD FOR PAUL READ

Despite his youthful appearance, Dr. Paul Read is actually a grandfather. His grandson (unnamed at press time) was born 4:40am, May 19. Congratulations!

* * *

SPRING PICNIC

The Spring Picnic will be held at Lake Johanna on Fri., June 3 beginning somewhere around 4pm - mark your calendars! The picnic will be potluck-beverages, utensils and grilling stuff will be provided. Sign-up sheets will be appearing soon on the bulletin board in the back hallway. Let Julie Padrutt, Cyndy Fellman or Chad Finn know if you have any "toys" you could bring. So, let's all start hoping for gorgeous weather!

* * *

DEDICATION TO LIBRARY ADDITION

A new research addition to the Andersen Hort. Library will be dedicated June 20, 5pm, at the Arboretum. This will be followed at 6:30pm by dinner, and at 7:30pm by a lecture given by Allen Lacy, distinguished garden columnist for *The New York Times*. Mr. Lacy will also be signing his book, *The American Gardener: A Sampler*, which was published this spring.

Reservations are limited. \$8.00 per person includes dinner. Mail checks to the Minnesota Landscape Arboretum; 3675 Arboretum Dr., Box 39; Chanhassen, MN 55317.

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FULBRIGHT SCHOLAR PROGRAM

The 1987 Annual Report of the Fulbright Scholar Program, as well as information on 1989-90 Faculty Grants, is available for your perusal. Please see Laura for details.

Have A Great Week!

TWIG-BENDER

Volume 6 - #114 - May 27, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK MAY 30-JUN 03

MON- Memorial Day. University closed.

TUE - Project Colloquia: Joe Sowokinos, 10am, 415 AldH

WED- Wednesday Seminar: *Effect of Gibberellic Acid on Grape Flower Development*, Cynthia Fellman, 4pm, 415 AldH

- EBB Seminar: *Florida Scrub Jay Dynasties-Variance in Lifetime Reproductive Success in a Wild Bird Population*, John Fitzpatrick, 4pm, 313 Zoology

FRI - Spring Picnic, 4pm, Lake Johanna (see item below)

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BECKWITH COPY ORDERS

Anyone who orders copies from Beckwith please let your secretary know if it is for your research project, teaching, or extension so that the accounting office knows how to distribute the charges.

HEARTFELT THANKS FROM BRANT VERKE

Sincere thanks and appreciation are extended to everyone that pledged to help defray Brant Verke's medical bills for his Jarvick heart. Many of you have already paid your pledge, for those that still need to do so, please provide a check (to: Brant Verke Trust Fund) or cash to Bert Swanson or Andrea Wieland.

The Swim-A-Thon for Brant was a great success with both the boys and girls swim teams from Moundsview High School turning out the laps for all their pledges. Over 80 parents provided food for the swimmers; as an extra surprise, cases of pop and chips and 51 pizzas were delivered to feed the swimmers after the swim-a-thon.

Brant, with his new human heart, actually came to the pool for a few minutes. He is doing quite well and he and his family are adjusting to the many sudden changes in their lives. Swim Coach Jim Brobin hopes to have Brant on the team again next year.

Thanks again to everyone for your thoughts, prayers and contributions. You can feel assured that you have made a difference in this young man's life.

David Swanson
Captain, M.V. Swim Team

SPRING PICNIC

The Spring Picnic will be held at Lake Johanna on Fri., June 3 beginning somewhere around 4pm. Mark your calendars! The picnic will be potluck-beverages, utensils and grilling stuff will be provided. Sign-up sheets will be appearing soon on the bulletin board in the back hallway. Let Julie Padrutt, Cyndy Fellman or Chad Finn know if you have any "toys" you could bring. So, let's all start hoping for gorgeous weather!

SPRING QUARTER FACULTY ASSEMBLY

Please mark you calendars and plan on attending the Spring Quarter Faculty Assembly on

Mon., June 6, 10am, in 335 Borlaug Hall. This will be a very important assembly meeting involving a number of issues including: 1) Faculty Salary and Retention Issues, 2) Public Relations Campaign in the COA, 3) Commitment to Undergraduate Education, 4) Mechanism to Inform Public regarding COA Programs and Events, and 5) Certified Advisors Program.

FROM THE GREENHOUSE COMMITTEE

Much thanks to all for keeping the classroom in an acceptable condition of order and cleanliness. Please continue to put items (tools, pots, etc.) away after each session/class and clean off counter tops in the head-house working area.

The chemical weight room, however, is a disaster. There is a hand brush so that counters can be swept. Put chemicals, spoons and spatulas away. Clean up the balconies. EPA would fine us if they ever inspected. The theme of the day - week-month - year: Leave your area cleaner than you found it.

Thanks for being considerate to the greenhouse staff and your colleagues.

PhD EXAM SCHEDULED

Stephen Garton's final oral exam for the PhD will be given at 9am, June 3, in Alderman.

STAFF DEMOGRAPHICS

The Staff Demographic Information Update Sheets received by all University employees should be turned in

to Laura Kalisch for verification before being forwarded. Any employee who didn't receive one should stop by Laura's desk and pick one up. Thanks.

one is allowed to be too serious like those grumps the Hort Horrors played. Contact Bridget or Chad if you can/can't play. Thanks.

**MISSING
PERMIT**

Kathy reports that a parking permit is missing! The perpetrator on this heinous crime is hereby requested to return said permit with all speed. Thank you.

**ASSOC DEAN
OF BIO SCI**

Dr. Sally Jorgensen has been appointed Associate Dean for Undergraduate Affairs in the College of Biological Sciences, effective Sept. 1, 1988.

Dr. Jorgensen is currently Chairman of the Department of Veterinary Biology in the College of Veterinary Medicine, and will continue her academic appointment with the department. Dr. Jorgensen received her Ph.D. in Biochemistry from the University of Minnesota Medical School in 1966.

THANKS

Thanks to all who helped install the new garden in the "front" of Alderman, especially Julie and Brian.

**CALLING ALL
ATHLETES**

Fick's Follies vs. Hort Horrors. Wed., June 1. Place to be announced. Probably either Langford Park, Group Health Field, or St. Paul Pit. Come on out to play at 7pm. Even non-regulars (irregulars?) are welcome as Fick's Follies may not have a complete team. Only one rule: no

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**Have A Safe
Memorial Day
Weekend!**

TWIG-BENDER

Volume 6 - #115 - Jun 3, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUNE 6-10

MON- Spring Qtr Faculty
Assembly, 10am-Noon,
335 Borlaug

THR- Topics For Plant
M e m b r a n o l o g y :
*Dissipation of pH
Gradients in Tonoplast
Vesicles and Liposomes
by Mixtures of Acridine
Orange and Anions*, Insun
Chung discusses paper by
A.J. Pope & R.A. Leigh,
4:30pm, 398 AldH

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A NIGHT TO REMEMBER

A sincere, heartfelt "thank you"
to all who attended our
"graduation party" on Thursday
(June 2) at the Alumni Club, and
a very special thank you to those
who planned, schemed, arranged
and otherwise contributed to the
memorable occasion. We certainly
appreciated your including our
family members. It makes one
proud to be a Minnesotan.

Your generous outpouring of gifts
(large and small) were most
appropriate. The significant check
will be used to purchase a gift
we will probably use for the rest
of our lives. That gift will be a
camera.

Best wishes to all.

Muriel and Dick Widmer

*(Good luck, Dr. Widmer, in your
retirement. It's been a pleasure
working with you. - Ed.)*

* * *

NATAL NEWS

Congratulations to Emily Hoover
and Jim Luby on the birth of
their daughter, Claire Hoover

Luby, on May 27! Claire weighed
in at 6 lb 3 oz and measured 18
inches. All are doing nicely.

* * *

RETIREMENT PARTY THANKS

Special thanks to Deb Brown,
Nancy Hinrichs, Patty Doyle,
Sue Bigelow and everyone else
who helped with the wonderful
flowers and arrangements for
Dick Widmer's retirement dinner.

* * *

HOLIDAY DATES

The following University holiday
schedule has been approved for
Civil Service Staff for the 1988-
89 fiscal year:

Major Holidays:

Independence Day (Jul 4), Labor
Day (Sep 5), Thanksgiving Day
(Nov 24), Christmas Day (Dec
26), New Year's Day (Jan 2),
Martin Luther King's Birthday
(Jan 16), Memorial Day (May 29)

Floating Holidays:

Nov 25, Dec 23, Dec 30

Note: Civil Service staff will be
given an eleventh, elective
holiday, to be determined by the
staff. Please see Laura with
suggestions for possible holiday
dates.

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CONGRATS

Congratulations to Stephen
Garton and Greg Kerr for
passing their final orals!

* * *

ALDERMAN PROJECT

Well, the garden is in and, if I
may say so myself, it looks
pretty darn good. Thanks to all
who have helped and continue
to help during this busy spring.
Special thanks to Roger for
withstanding 90° heat to help
mulch behind the junipers and
making water implements
available. Please note, we still
need people to help water on
weekends (i.e. turning on and
off), mulch, weed and dead-head
geraniums. Volunteer to Julie or
Brian for weekend duty, etc.
(Leftover flowers available now
for helpful hands!) Let's keep
the front of Alderman looking
great!!!

Julie Padrutt

* * *

HERB GROWING CONFERENCE

The Third Nat'l Herb Growing
and Marketing Conference, for
"serious greenhouse growers,
landscapers, and buyers of herbs
and specialty crops," will be
held in Louisville, Kentucky, on
Jul 17-20. Further info is
available from Tom Robertson at
317-494-7220.

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HOSPITAL STAY

Gordon Bailey Sr. is in United
Hospitals recovering from minor
surgery. Flowers from the
department have been sent.

* * *

PUBLICATION ANNOUNCED

Wei, J-K, K-M Liu, J-P Chen,
P-C Luo and O.Y. Lee-
Stadelmann, "Pathological and
Physiological Identification of
Race C of *Bipolaris maydis* in
China," *Phytopathology* 78:550-
554.

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L.A. THESIS PROJECTS

Interested faculty are welcome to attend any of the following thesis presentations which take place June 8 & 9 in the Fireside Room (Room 274) of McNeal Hall on the St. Paul Campus:

Jun 8 -

9am - Roziah Hj. Mahmood: "Stadium Village Plaza," 9:45- Hairani Mohd. Tajudin: "East River Road & Mississippi Bluffs," 10:30 - Timothy J. Deckert: "Cass Gilbert Memorial Park," 11:15- Theodore E. Lee: "William H. Alderman Memorial Garden," 1:30 - Julie Kallemeyn: "La Pointe Dock and Beach," 2:15 - Donald Varney: "A Residential Community," 3:15 - Bruce Dvorak: "The U of California Davis Arboretum," 3:45 - John N w a m a n y a - M a t s i k o : "Clearwater/Pleasant Lake County Park," 4:30 - William Bleckwenn: "Stillwater-Houlton Bridge & Parkways".

Jun 9 -

9am - Theresa Heglund: "St. Andrews Lutheran Church Lands," 9:45 - Valerie J. Gaeding: "Tourism & the Revitalization of Little Falls," 10:30 - Peter W. Dombrowsky: "Graeser Park, Robbinsdale, Minnesota," 11:15- Carmen Simonet: "Woodland Mall, Stillwater, Minnesota," 1:30 - Bo Mi Park: "West Bank Plaza," 2:15 - Linda Fisher: "The Levin Residence on Fish Lake," 3:00- Scott Littke: "A Community Park in Blaine," 3:45 - Stuart E. Roberson: "Gideon Pond Historical Site," 4:30 - Susan Deane: "Scenic Heights Elementary School".

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Have A Great Week!

TWIG-BENDER

Volume 6 - #115 - June 10, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUN 13-17

TUE - Staff Meeting, 8:30pm,
394 AldH
- *Plant Cold Hardiness
Research at the K.A.
Timiriazev Institute of
Plant Physiology, USSR
Acad. of Sci., Moscow;*
Tamara I. Trunova; 10am;
398 AldH

* * *

POSITION FILLED

Shirley Clark is the new Acting
Provost.

NEW HORT CLUB OFFICERS

President: Julie Kruse, Vice-
President: Dan Hanson, Secretary:
Jill Rispalje/Yliniemi, Treasurer:
Patty Doyle, Greenhouse Manager:
Lance Tersilliger

SUPPORT GRANT RECEIVED

The Minnesota Landscape
Arboretum was recently awarded
a \$75,000 General Operating
Support (GOS) Grant by the
Institute of Museum Services
(IMS), Washington, D.C. The
grant will facilitate maintenance
and expansion of the Minnesota
Landscape Arboretum's
educational interpretive program
including upgrading existing
exhibits, signage and labeling, as
well as assisting in other areas.

AVAILABLE FUNDING

The Legislative Commission on
MN Resources is making funding
available for 1989. See Laura for
listing of priorities and
application procedure.

THANK YOU

"To my friends in Horticultural
Science and Landscape
Architecture -- a note of thanks
for your remembrance of my
father's recent death. It is
comforting to have friends who
will stand up when needed."

Dave Pitt

READ UP ON YOUR BENNIES

"Flexible Benefits for Academic
and Civil Service Employees" is
in print and available through
Laura.

CORRECTION

A typo contained in a
submission to Twig Bender made
it into print last week. It
concerned Dr. Widmer's
expression of appreciation for
his retirement party, which
read, in part:

"Your generous outpouring of
gifts (large and small) were
most appropriate." The word
"appropriate" should have been
the word, "appreciated".

Things like that happen
sometimes.

KEEP IT SHADY

Grants for shade tree research
and educational projects are
available from the Int'l Society
of Arboriculture. See Laura for
details.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #116 - June 17, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUN 20-24

MON- Dedication of new research addition to Andersen Hort Library, 5pm, Arboretum (see item below)

* * *

REGISTER FOR ASHS MEETING

The American Society for Horticultural Science will hold its 85th annual meeting at Michigan State University during Aug 6-11.

For registration materials, please see Jay in 305.

* * *

NEW APPOINTMENTS

John Carter and Florian Lauer have been elected to the Hort. Consultative Committee.

The following civil service employees have been elected as alternates for the 1988-89 academic year:

Consultative Cmte
Dick Wenkel

Grievance Cmte
Evonne Kuyper

Faculty Mtg Rep
Kathy Lloyd

Dept. Rep. COA Civ Serv Cmte
Otto Andersen

(The above alternates for 88-89 will become the representatives for 89-90.)

Congrats to all.

* * *

RESEARCH AWARD GRANTED

David Pitt has been awarded a grant-in-aid of research from the Graduate School. Congratulations.

* * *

OPEN LETTER TO MARK BRENNER

Dear Mark:

Congratulations on your appointment as chair of the University of Minnesota Faculty Senate Consultative Committee! Your experiences and past record in faculty governance qualify you well for this very important role.

I'm sure I speak for your fellow departmental faculty and current graduate students in expressing a feeling of pride in your appointment, as well as feeling a bit of jealousy over losing a significant portion of your time among us. Be assured that you can expect to receive our full support and assistance in making the coming year rewarding to both the University and to you personally.

The Department of Horticultural Science and Landscape Architecture salutes and endorses your coming service to the University of Minnesota.

Sincerely,

James Bartz
Department Head

* * *

ANDERSEN LIBRARY DEDICATION

The Andersen Horticultural Library at the Arboretum will

dedicate a new research addition at 5pm on Mon., June 20.

Dedication events include tours of the library, and musical entertainment. A special supper will be served at 6:30pm. Mr. Allen Lacy, garden columnist for the *New York Times*, will present a talk at 7:30pm on "Private Gardens as a Public Space?". The cost is \$8 per person and includes dinner. Reservations for the dinner and talk are limited and can be made by calling the Arboretum at 443-2460.

* * *

EVENING OF SUMMER MUSIC AT ARB

A Swedish singing group, "Vaxjoskolornas Musikkar," will offer an outdoor concert Jun 23, 7:15pm at the Arboretum. The program will consist of marches, folksongs, classical and pop. The singers are in town as part of the New Sweden celebration.

Tram tours of the Arboretum grounds will take place one hour earlier, at a cost of \$1.50 per rider. (The musical program is free, however there is a \$2 gate fee for nonmembers.)

Bring a picnic supper and enjoy a summer evening's entertainment at the Arb.

* * *

POPCORN PANEL RESULTS

On Thr., Jun 9, 15 members of this department took part in a microwave popcorn tasting panel. This was set up to be a blind test. A standard of air-popped popcorn with salt and butter added was chosen because many of us had lived off of this type of popcorn so we could save

enough money to buy the microwave. Thirteen different types of popcorn were tested. Palates were cleaned with Tropical Punch Kool-Aid between each tasting.

Each sample was evaluated for the following: price per serving, popping time, taste, desired frequency of consumption, color, percentage of kernels popped, fluffiness of kernels, appearance of kernels, and package appearance. The ratings were based on a scale of 1-5 with 1 being the worst and 5 being the best. The following results were concluded after all of the data had been gathered and statistically analyzed.

Overall Ratings

Orville Redenbacher's - Caramel	.....2.2
Redenbacher's - Nacho	.....2.3
Jiffy Pop - Butter Flavored	..2.4
Redenbacher's - Cheddar Cheese	.....2.7
Planter's - Natural Flavor	...2.8
Generic - Butter Flavored	....2.9
Act II - Natural	.....3.2
Act II - Standard	.....3.3
Redenbacher's - Sour Cream 'n' Onion	.....3.3
Pillsbury Original	.....3.3
Jolly Time - Butter Flavored	3.3
Paul Newman - Natural	.....3.4
Popsecret - Natural	.....3.4

A special thanks to all of those who participated in this tasting. For those of you with enquiring minds who want to know more about this experiment, be sure to check the tabloids at your favorite check-out line.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #117 - June 24, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUN 27-JUL 1

There's nothing going on this week, with one significant exception: the offices in 305 will be closed for a "personal holiday" on Friday.

* * *

Steve Edelman and Sharon Anderson have finally made it to Twig Bender! (To find expert advice given by the perky local TV personalities, please see third item below.)

We would like to take this opportunity to welcome Steve and Sharon to these pages. Steve and Sharon are in good company: many other mega-celebs have been referred to here in the past. Garrison Keillor was mentioned a couple of times (in fact, readers will delight in finding his name in this issue, as well!). Kirby Puckett made it once. And so did former U Prez Ken Keller. (Let's not forget the infamous "Michael Jackson" reference which thrilled our readers and got yours truly into tons of trouble!)

Hoping to broaden our appeal, Twig Bender will be name-dropping in "boldface," beginning this week. (After all, Babs Flannagan has been getting away with this for years.) We are hopeful that it will make the newsletter even more exciting and disguise the fact that its really a hayseed operation with zero chance of realizing its laughable aspirations for greatness.

Thank you. - Ed.

* * *

BICYCLISTS BEWARE

Alicia Borowski had her beloved moderately-priced bicycle stolen

from the front of Alderman Hall. Yes, it was locked!! Seems crime has come to our idyllic agrarian campus too. Please take care to see this doesn't happen again.

* * *

FAREWELL PARTY

Farewell party for Marcy Taylor and Gary on Fri., Jun 24 at 6:30pm at Greg Kerr's new house: 691 W. Maryland, 2-3 blocks west of Dale between Como Lake and Dale). Please bring your own beverage and a dish to share. In addition to a dish, you may wish to bring some food. Food on the dish would definitely be, as they say in the classifieds, "a plus".

* * *

TV'S ROYAL COUPLE ON BANANAS

Steve & Sharon of Twin Cities' "Good Company" say: Just prior to using, cover unpeeled bananas with boiling water 1-2 min. Supposedly the bananas won't brown (probably heat-inactivated those poly-phenol oxidases). Try it - could bring in a whole new era for bananas.

Remember when Steve and Sharon abandoned the Twin Cities to star in their own nationally-syndicated talk show? So now they're back, with their tail between their legs, telling us how to eat our bananas, eh? A fine thing. We Minnesotans are a pretty placid bunch, but if there's one thing we can't tolerate, it's disloyalty. After all, we're still here in spite of the crummy weather and an astronomical gasoline tax! Why should anyone else use the escape hatch? (By the way, did anybody watch Garrison Keillor's "2nd Annual Farewell" show on the Disney Channel? Uh-huh. We thought not.)

* * *

NEW PUBLICATION

Characterization of Conditioning Factors that Increase Colony Formation from Black Mexican Sweet Corn Protoplasts by Paul R. Birnberg, David A. Somers, and Mark L. Brenner. J. Plant Physiol. 132:316-321.

* * *

GRANT AWARDED

A Travel Grant for Doctoral Dissertation Fellows has been awarded Sonja Maki by the Graduate School. Sonja will use the grant to attend the 13th Int'l Conference on Plant Growth Substances in Calgary, Canada. Congratulations!

How about that acid rain, huh?

* * *

NEED WORK?

Bachman's is looking for a student who can work on a part-time basis in post-harvest physiology. In 6 to 10-months this can potentially turn into a full time job in the shipping-receiving department and customer relations. Contact H.F. Wilkins if you are interested, or know of any student who might be interested.

* * *

CAMPUS COMMUNICATION THING

An IBM trade show with the quite exciting name, "Campus Communication '88 and Beyond," will be held on Jul 12 at the Radisson University Hotel. There are two sessions: 9-11am and 1-3pm. The workshop will be a chance for folks at the U to ask questions about networking,

desktop publishing, office automation, and more. Sure sounds like one terrific deal. See you there.

* * *

GARDEN PLOTTERS

Plotting to overthrow the United States Government in a garden (or any place else) is illegal. Please do not do this.

* * *

GARDEN PLOTTERS (FOR REAL)

Folks have been using the turf hose by the turf shed and leaving it strung to their garden. This is not fair to the Turf Project. Please stop doing this. Perpich-Bartz Decree: Please do not leave any unattended sprinklers in the garden. On the political side it is a bad example (sic). We the garden plotters are not paying for the water. Thanks.

* * *

NO TIME FOR COMEDY

This just in: sarcasm is not funny. Repeated use will alienate your friends and may turn you into a drug addict. Just say "no".

* * *

RICKY, DON'T USE THIS NUMBER

Shiela Hencir's mother just came by and asked if there was room in *Twig Bender* for the following announcement. "Please do not use budget # 0302 any longer. It is being eliminated." We weren't sure if there was room, but we said we'd try to squeeze it in somehow. (By the way, *Mpls/St. Paul* is a super magazine, isn't it? Who cares if rival rag *Twin*

Cities snared super celebrity **Ken Keller** as its July coverboy? Personality profiles are not the only game in town, you know!)

* * *

WE WANT MONEY

The Hort Flower Fund is in need of donations. All Civil Service and faculty employees are encouraged to contribute. Thanks.

* * *

WHAT WOULD YOU DO WITH AN EXTRA 24 HOURS?

The Office Staff will be using the personal holiday for 1988-89 on Fri., July 1. Both the main office and the accounting office will be closed. This is called a "bank holiday" in Britain. At the U of M, it's called. . . (Note: *This item has been censored to avoid offending the civil service staff or anyone else who might be reading. You can probably guess what we were going to say anyway.* - Ed.)

* * *

SABBATICAL HOUSING NEEDED

Dr. Lee Anne Chaney, an assistant professor at Whitworth College in Spokane, Washington, will be spending a sabbatical leave in the U of M Horticulture Department in the lab of Dr. Peter Ascher, from September 1988 to June 1989. She is interested in housing possibilities for one person for that period of time such as a sublet apartment or house sitting for a faculty member on leave at a reasonable price. Contact Dr. Chaney directly at her home in Spokane (509-467-9044) or call the U of M Horticulture Department, Dr.

Ascher (624-3232) for more information.

* * *

WARNING

Eastcliff stories are creeping back into the media. Doug Grow is starting to froth at the mouth.

* * *

DO THE WASECA

The Southern Experiment Station (Waseca) is celebrating its 75th anniversary this year. There will be an open house at the station on Sunday, Jul 26 from 1:00-4:00pm. The public (and hortiphiles from all over) are invited to tour the facilities and rub elbows with the scientists and staff.

In addition, the annual summer Crops and Soils Field Day will take place on Tue., Jul 28 from 8:30am-3:30pm. Tours of the research plots will be run continuously throughout the day. They include the horticulture tour, weed control, fertilization, tillage and hybrid management, livestock and forages, and the 75th anniversary tour. Also, clinics (featuring our own **Deb Brown!!**) and exhibits will be set up for your education and perusal.

(Note: *this was printed exactly as submitted.* - Ed.)

* * *

PROVERBIAL WHIMPER

A brochure with the title, "Young Scholars Program FY-1989," is available thru Laura in 305.

* * *

Have A Gonzo Week!

TWIG-BENDER

Volume 6 - #118 - June 30, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUL 4-8

MON - Fourth of July
H o l i d a y .
U n i v e r s i t y
closed.

Reminder: The front office will be closed Fri., Jul 1 as a "floating holiday" for civil service staff, some of whom float better than others.

* * *

The Supreme Court heard the remaining cases of its current session this week. Among rulings made concerning independent prosecutors, right to face accusers, fund-raising for charities, etc. was a little known case we found particularly significant: Twig Bender v. Common Sense.

In a dramatic unanimous decision, the Court ruled that Twig Bender would not be forced to employ sensible editors, writers, or numbers runners...nor would it be forced to provide insightful commentary or make payments on bad debts. Twig Bender's right to a vacation in the Caribbean and a free parking space in front of Alderman Hall was also established by the Court's landmark ruling.

Twig Bender awaits a decision on its god-given right to a Jacuzzi.

The Editor

* * *

CORRECTION

Two incorrect dates published last week: Open House at the Waseca Exp. Sta. was June 26 (it will not be Jul 26, as printed). Further, the annual summer Crops and Soils Field Day took

place Jun 28 (not Jul 28, as printed). We regret the error. We're not positive, but all evidence points the finger at Luther Darville.

BLUEBERRY PICKING

July 9, 1988; 9am; Sand Plains Research Station, Becker, MN. Questions? See Chad. (Sign up on Grad Board.)

WE'LL TEST YOUR TISSUE

Soil and tissue testing services are available on campus. All plants in the greenhouse should have their medium tested for nutritional status every 2 to 3 weeks. We will be pleased/happy to advise your "feed" program. See Dr. Wilkins or any of the floriculture students for details.

IN ONE DOOR

Welcome back home, Carol Zakkom! Carol has been interning on the computer at the Nurserymen's Exchange for the past few months. She will be completing her M.S. thesis in the next few months.

OUT THE OTHER

Southeastward, Ho!

"Yes, friends, we are really leaving the nearest thing to God's Country for Cincinnati. We found Minnesota lacking in only one area -- family members, which are in abundant supply in Ohio. I'm sorry to leave the Department. During my six years in Boston I never once felt "at home," but I felt like one of the family here after only the first week! It's been a lot of fun, and we'd love to see

anyone passing through southern Ohio.

"A special thanks to everyone involved with my sweatshirt--

In Harvard terms, 'It's AWESOME!'

"iHasta luego! (I'll be back for my seminar/defense.)"

Marcy Taylor
1000 Fairways Blvd., #2
Cincinnati, OH 45245
(513) 753-5920

PUROLATOR USERS

Anyone using the Purolator Courier Service must go through the main office. All pink slips (senders copy) must be put in Pat Hencir's in-box. Also, please signify who should be paying for it. Thanks.

ATT'N CIVIL SERVICE EMP'S

Civil Service Employees interested in reviewing the rule changes effective 1/1/88 should see Laura Kalisch.

ASHS LOGISTICS

Reminder: Registration forms must be postmarked by Friday, July 1, to qualify for the reduced price registration.

Brian Coor will try to act as a "matchmaker" for people looking for a ride or for riders to the meetings. Please sign up on the bulletin board behind the grad student mailboxes before Friday, July 8. Thanks.

ASHS LODGINGS

Anyone interested in sharing Joan Nassauer's housing and

will only be using her room Sunday night and has the room reserved Sun-Wed. Please contact Joan at 4-7216 if interested.

NEW GRAD STUDENT OFFICERS

Congratulations to the following graduate students who have been elected to offices for 1988-89:

Betsy Lamb, president;
Phil Allen and Rick Stapfer, Graduate Studies Cmte reps;
Mike Evans, Graduate Studies Cmte alternate;
Alicia Borowski, Council of Graduate Students representative;
Debby Filler, seminar committee rep;
Karl Sauter, faculty meeting rep;
Joni Roust, computer cmte rep;
Myron Thornberry, graduate student social cmte;
Jeremy Treadwell, Alderman Project coordinator

"My deepest thanks to the graduate students who served as representatives this past year: Neil Anderson, Julie O'Leary, Rick Stapfer, Chad Finn, Phil Allen, Greg Kerr, Walter Barker, Marcy Taylor, Cyndy Fellman, and Julie Padrutt. I also thank the faculty and staff, especially Dr. Bartz, for their help and cooperation this past year, and I especially thank all my fellow grad students who have made this year an enjoyable and memorable one for me."

Brian Corr, ex-prez

INSECT EXPLOSION

From all reports, there is an insect explosion in some of our research greenhouses. Please go down to the greenhouse, remove plants not needed for research and discard them. If need be,

prune, trim or tie-up any other plants in use so that complete spray coverage can be accomplished more easily. If a section can be totally vacated between crop rotations, please do so. Try to manage this routine so that a total vacant bench and under bench spray can be accomplished. When we've finished, you will hopefully have a clean section to move back into. Roger once again has been encouraged to practice authoritative /administrative control over these issues. Please work with and through him.

H.F. Wilkins
Chair
Greenhouse Cmte

PROCEEDINGS PURSUED

The "Third Nat'l Herb Growing and Marketing Conference" will be held in Louisville, KY, on Jul 17-20. Phyllis Carlson is looking for the proceedings to the First and Second conferences. If you can help her locate these, please place a note in her mailbox or phone Carl at 4-4907. Thanks.

* * *

DEAR TWIG BENDER

Dear Twig Bender:

Thanks to me, real democratic changes are now possible in the Soviet Union. Glasnost has already introduced public debate and the rights of the individual should soon be given political muscle by the Supreme Soviet. Is this something or what?

Mikhail Gorbachev
General Secretary
United Soviet Socialist Republic

Dear Mikhail:

So what? You still can't tell a quip as well as the Gipper.

Editor

Dear Twig Bender:

What's the big idea blaming me for mistakes made in last week's issue? It's bad enough that I've been accused of everything from fiscal mismanagement to stealing ketchup packets from The Grainery...now you peg me as an inept proofreader! Haven't you guys got enough money in your coffers to upgrade your personnel? If you need a cash advance, just write.

Luther Darville
Nassau, Bahamas

Dear Editor:

Where do you come-off printing phoney letters in your publication? Everyone knows that celebrities such as Michael Jackson and Rudy Perpich wouldn't waste time reading your scandal sheet, much less take the time to write.

Please desist from this contemptible practice before you lose your few remaining vestiges of credibility.

Clifford Irving

Dear Clifford:

Okay. By the way, enjoyed your authorized bio of Howard Hughes.

Editor

* * *

**Have A Safe Fourth-
of-July Weekend!**

TWIG-BENDER

Volume 6 - #119 - July 8, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUL 11-15

WED- *Is Polyphenol Oxidase Involved in Adventitious Root Initiation?*, Alex Gad, 3:30pm, 394 Alderman Hall.

Dr. Gad, of Hebrew Univ., Rehovot, Israel, will be on campus Jul 8-14. To arrange a visit, contact Wes Hackett at 4-9212.

* * *

NEW CMTE MEMBERS

"Prospective Student & Student Placement Advisory Cmte" - Jim Bartz (Chair)

"Faculty Development Cmte"- Bert Swanson

"Scholastic Affairs Cmte" - John Carter

"Curriculum Cmte" - Emily Hoover

* * *

GARDEN PLOTTERS

Please park your vehicles only in the allotted area on the west side of the metal shed. Also the turf and nursery hoses are off limits. On the brighter side, the garden plots are in excellent condition. Keep up the good work.

* * *

CIVIL SERVICE EVALUATIONS

All civil service evaluation forms must be turned in to Laura Kalisch by Wed., Jul 13.

* * *

FURNISHINGS FURNISHED FREE

Horticulture relics to be given away! Karl Sauter is moving and is offering free: 1) a large, but lightweight, couch (inherited from Mary Hunsperger who inherited it from a previous Hort. student); and 2) a padded rocker (inherited from Rhoda Burrows). These relics are indeed old but comfortable and wish to remain in the department. See Karl for details.

* * *

VOLUNTEER CMTE MEMBERS SOUGHT

Faculty members interested in serving on various Fellowship committees for the Graduate School during the coming academic year are sought by the Graduate School. Reviewers are wanted for the Doctoral Dissertation Special Grant competition and for the various Endowed Fellowship competitions. In addition, the Grad School is looking for faculty with int'l experience to review and screen Fulbright applicants.

If interested, please see Jim Bartz.

* * *

PROJECT SUNRISE

Applications for curriculum grants through "Project Sunrise" are available through Laura.

* * *

NEW PUBLICATIONS

Adventitious Root Initiation in De-bladed Petioles from the Juvenile and Mature Phases of

English Ivy by Robert L. Geneve, Wesley P. Hackett, and Bert T. Swanson, J. Amer. Soc. Hort. Sci. 113(4):630-635. 1988.

Comparison of Rootability of Stem Cuttings from Seedlings of Aesculus sp. and Mature Aesculus x arnoldiana 'Autumn Splendor' by B.A. Bergmann, W.P. Hackett and H. Pellett, J. Environ. Hort. 6(2):69-71. June 1988.

Relative Growth Rate and Plant Habit of Linden Taxa by H. Pellett, K. Vogel, S. McNamara, and K. Zuzek, J. Environ. Hort. 6(2):48-52. June 1988.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #120 - July 15, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK JUL 18-22

THR - Westwind Concert Band,
Arboretum, 7:15pm, free

ADIOS, JULIE PADRUTT

Gringos! Come bid adios to Julie Padrutt next Fri. night, Jul 22 at 6:30pm. This bon voyage burrito bash will take place at Casa Alicia Borowski's. (That's 4041 S. 46th Ave., Mpls - maps on bulletin board in back hall.)

Please bring fixings for burritos! There will be a sign-up sheet for fixings on bulletin board. We need things like cheese, tomatoes, beverages, plates, etc. Any questions - see Senorita Margaret Stahler next week because Senorita Alicia will be pollinating corn in Waseca. Ole!

ATT'N CIVIL SERVICE STAFF/SUPER'S

If you haven't yet turned-in your evaluations (you know who you are), please get them to Laura Kalisch on Monday!

ESCAPE TO WISCONSIN AND HEAR TRILLIUM

Has your Minnesota summer been a bit too hot and dry? For relief, just turn east to Wisconsin where the temperatures are always cool and moisture plentiful (if you happen to be spending life as a beer glass).

August 20 @5pm, Dave Olson and Mary Curran will try and put together a potluck dinner and show concert. The partially finished shed will be provided by Olson, Curran, Murray, Murray and Markhart. The concert talent will be by Deb Shubat and her group, Trillium-

direct from an exclusive engagement at the fabulous hotel Castle Danger, on the North Shore of cool and wet Lake Superior. So that we may cover expenses of this group, we are asking for a \$3/Adult Donation.

If you are interested, please contact Dave Olson by Jul 20 so it can be determined if we have enough interest, i.e. \$3 contributions, to bring off this event. More details to follow. (A Wisconsin Woodstock Production.)

ARB OPEN FREE

As part of the Minnesota Landscape Arboretum's anniversary celebrations, the Arboretum will be open free every Thr eve starting Jul 14 through the end of summer. Also every Thr eve the library, gift shop, and tea room will be open late until 8:30pm, and evening tram tours will be given at 6 and 8pm. (There is a charge of \$1.50 per rider for the hour-long tram tour, which takes you throughout the Arb grounds.)

THAILAND CALLING

Pauline Bamford (phone: 6-5735) of the Refugee Mental Health Institute is interested in talking to anyone who might want to help set up a teaching program in a Cambodian refugee camp in Thailand. On-site involvement would be app. one month.

FREEZER PRECAUTION

Attention!! Anybody storing experimental goodies in the -70°C freezer: Parafilm falls off tubes - tubes in racks fall out - 2 l volumetrics are poor storage containers - tape doesn't stick - thin plastic bags

break - open racks of any sort are easily dumped.

In other words - check your samples and solutions - store and seal these items in a way that will survive -70°C temperatures and all the bumping and shuffling that occurs when many people are using the same storage space. Also - please take extra precautions to seal and label radioactive samples.

Oh - and one more thing - please date and label with your name any goodies you put in the freezer.

Yours truly, 2nd floor police

FIELD DAY UPDATE

The Crops and Soils Field Day scheduled for Wed., Jul 20, at the Northwest Exp. Sta. has been postponed until early Sep. An exact date has not been established as the high temperatures and droughty conditions continue to advance maturity.

The rescheduled field day will feature soybean, corn, dry edible bean, potato and sugarbeet research as well as tillage effects on moisture conservation and erosion control.

Barley harvest has begun in the southern end of the Red River Valley and will begin in the Crookston area on Jul 11. Early crop reports indicate yields of approximately 40 percent of normal; high protein - 15 percent and low plumpness of 40-65 percent. Second crop alfalfa yields in the immediate Crookston area are app. 20 percent of normal.

(over)

TWIG-BENDER

Volume 6 - #121 - July 22, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

THIS WEEK
JUL 25-29

* * *

No special events this week.

* * *

ANNOUNCEMENT

Due to Julie Padrutt's hospitalization, her going away Burrito Party is postponed. A date will be set as soon as Julie's health allows.

Alicia Borowski and Margaret Stahler

* * *

CARD FUND

The card fund is in need of new cards and funds! Graduate students, I'll be placing an envelope in each of your mailboxes. Please make a contribution of \$1, or \$2 if you feel so inclined, by placing it within the envelope and returning it to my mailbox. In the last year we have responded to many happy and some sad occasions in the lives of students, staffs and former department members. Questions regarding the nature of the card fund are welcome.

Margaret Stahler

* * *

PROJECTOR SEARCH

The department projectors are all AWOL - if you should happen to run across one or two it will be greatly appreciated if you return it to room 326. We will be servicing all projectors returned to be sure cords, lenses, bulbs, etc. are in place and working properly. Also-remember to sign-out the projectors each time you need to use one. Thanks.

CONTEST

Last week we mentioned that "the real mover behind the founding of the American Society of Plant Physiologists was Prof. R.B. Harvey of the U of M." A reward of \$5 will be given to the first student to determine what Harvey was famous for! Turn in answers to Jay in 305.

* * *

OFF-CAMPUS HOUSING

The Division of Off-Campus Housing is pleased to announce expanded hours for its summer operation in 190 Coffey Hall. Through the joint efforts of the Division and the St. Paul Office for Student Affairs, current information about various types of rental housing in the Twin Cities area is available for review. Listing, maps, free use of a telephone and other ancillary information are available Mon-Fri between 8am-4:15pm. A staff person is available for assistance.

This service will be available through Fri., Sept. 16, 1988.

For more info, contact: The St. Paul Office for Student Affairs, 625-9225, OR Housing Services, Div. of Off-Campus Housing, 624-2994.

* * *

NEW HATS

The following appointments have been made:

Jim Bartz - Prospective Student and Student Placement Advisory Committee (Chair)

John Carter - Scholastic Affairs Committee

Emily Hoover - Curriculum Committee

Bert Swanson - Faculty Development Committee

* * *

NEW PUBLICATION

Bergmann, B.A., W.P. Hackett and H. Pellet, *Comparison of Rootability of Stem Cuttings from Seedlings of Aesculus sp. and Mature Aesculus x arnoldiana 'Autumn Splendor.'* J. Environ. Hort. 6(2):69-71. June 1988. p. 69-71.

* * *

TUSSIE YOUR MUSSIE

Registration is open for the 4th Annual Herb Symposium to be held Aug. 16-18 at the Minnesota Landscape Arboretum near Chanhassen. The classes and workshops will focus on the theme "Our American Herbal Heritage". Herbs have become increasingly popular this decade as their versatility and uses have been rediscovered.

Two nationally recognized herb experts will address symposium participants. Adelma Simmons, owner of Caprilands Herb Farm, Connecticut, will be the keynote speaker on Aug. 16, and Steven Foster, author and owner of IZARD Ozark Native Seeds on Aug. 17.

Knowledgeable members of the local herb societies and other speakers will address such subjects as shaker breads and soups, garden design, cooking with flowers, history of herbal roses, propagating herbs and basil. Thr., Aug. 18 will feature herb workshops on potpourri, tussie-mussies, and

herb vinegar. Participants will make an herb product to take home from the workshop. Deadline for registrations is Aug. 9. Registration fee is \$30 for one day, \$50 for both days. The nonmember fee is \$35 for one day or \$60 for both days. The fee includes handouts, refreshments, and herb-flavored buffet lunch. There is an additional fee for the workshops on Aug. 18.

Only mail or in-person registrations with payment will be accepted. Contact: Minn. Landscape Arboretum, 3675 Arboretum Drive, P.O. Box 39, Chanhassen, MN 55317, or call 443-2460.

* * *

BIRTH ANNOUNCEMENT

A new bird was born Jul 21-Phil and Barbara Bird had Elizabeth Irene at 2:15am. Weight 8 lbs, 2 oz.

(Phil is from the Hort Research Ctr.)

Congratulations!

* * *

TEMPORARY EMPLOYMENT

Dr. Neil Anderson of the Dept. of Plant Pathology and Jeremy Treadwell are looking for any students (i.e. high school, undergrad, grad) interested in doing lab work here in Alderman Hall for about two weeks in Aug.

Here's a good chance to earn some extra money. Contact Connie in the Plant Pathology Dept., 4th Fl., Borlaug Hall.

* * *

NEED STUDENT WORKERS?

The College Office will help you locate student workers for your jobs. A special form is available via Laura. But hurry, you'll need to contact her before Jul 28.

* * *

ASHS FORMS REQUESTED

If anyone has one or two extra registration forms for ASHS meetings in East Lansing, please see Bud Markhart or drop them off in his mail box. Much thanks.

* * *

**Have A Mighty
Fine Week!**

TWIG-BENDER

Volume 6 - #122 - July 28, 1988
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & LA
Editor: Jay Hopkins

NEW BABY BOY

Brandon Michael Fritz was born at 8:46am, July 26 to Barbara and Vince Fritz. Brandon weighed in at 7 lb., 14 oz. and measured 21 inches. Congratulations!

GRAD STUDENT CARD FUND

The card fund now has \$12.00 which was raised from contributions since last Friday. The annual operating budget is \$40. Please make a \$1-2 contribution, if you haven't already. The card supply is very low and we need new ones! Extra envelopes will be available for your contribution by grad mail boxes.

Thank you for your support.

Margaret Stahler

MISSING

Jim Luby's camera was removed from Margaret Stahler's desk drawer in 358 during the week of Jul 20-27. Along with the camera was a very expensive lens, a weather radio and the case. Any information regarding this disappearance or the camera's return would be greatly appreciated. The film within the camera contains irreplaceable research slides.

ALSO MISSING

Genes II, a textbook with a silver cover. If found,

please return to Debby Filler.

THANKS

There once was a girl named Julie
Who on her professors thought she's play a foolie
So on the day of her defense
She limped in with her leg held hence
But soon discovered the joke was on yours truly.

This bad limerick is brought to you by Julie Padrutt in an effort to sincerely thank one and all who have done so much to help me through my rather unusual end to my master's degree: A.B., B.C./Ellen, Barbara, Neil, Myron, Michael, Nancy, Debby, Kathryn, Charleen, John Dole, Betsy, Bridget, Cyndy, Brent, Margaret Stahler, Narawat, Thelma, and in the office, Laura K., and Kathy L., and Dr. Bartz, and Pete Ascher, and H.P./Shelby, and Cathy from the Arb. It will be a long time before I forget this or any of you and I look forward to meeting up with one and all on our various professional (and/or social) paths.

Julie Padrutt

804 N. Harrison St. #3
Wilmington, DE 19806

(302) 656-2073

* * *

Have A Swell Week!

TWIG-BENDER

Volume 6 - #123 - August 5, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci/LA
Editor: Jay Hopkins

Twig Bender had to yank all copies of last week's edition when it was discovered that we had named a source who wished to remain anonymous. The source, Mr. Brian Gumbly (currently residing at the Downtown YMCA, Room 23), informed Twig Bender that he heard that certain members of the Ag Faculty had been seen participating in a rain dance in "Mullin's Woods," near Alderman Hall ("Profs Prance For Precipitation," Jul 29).

In light of the major lawsuit successfully leveled at local papers which violated the "right" of a source to remain anonymous (in the celebrated story concerning Lt. Gov. Marlene Johnson's shoplifting history), our managing editor made the hugely intelligent decision to yank last week's "Twig" before it was distributed (some copies may have slipped through the cracks, but we certainly hope not).

Whether or not faculty actually did participate in a rain dance (rumored participants include J.L., F.L. and G.H.), we notice that rain did fall this week and we'd like to thank those responsible, whomever it was.

Furthermore, we'd like to apologize to everyone for suggesting in an issue now eight month's old (there's no "statue of limitations" where Twig Bender's concerned!) that the auburn-haired Lt. Gov. was formerly a Miss Minnesota beauty contestant. Our source, Bess Myerson, did not have first-hand knowledge of this and had merely heard it from a former Miss Minnesota currently residing in the same penitentiary as Ms. Myerson.

We should not have repeated this rumor without confirmation from a reputable source, but when you are dealing with beauty pageant winners and local politicians, you take what you can get.

Anyway, despite the exponential increase in Twig Bender sales, we regret this error in editorial judgement.

Really we do.

Be sure to look for next week's exposé on Star/Trib's managing editor Joel Kramer, who is rumored to be not only a former beauty queen/kleptomaniac, but a nailbiter who always leaves the cap off of the toothpaste. (He doesn't floss, either.)

That is, assuming we can locate a stooge willing to pose as an eye-witness.

The Editor

* * *

CARD FUNDRAISING UPDATE

We've already had 21 grads respond to last week's request for donations to the card fund. We now have \$30 in operating capital. If you haven't already do so, please contribute \$1-2 to the card fund. Your involvement counts!

Margaret Stahler

* * *

SEE HOW THE OTHER HALF LIVES

Due to an impending move, Paul Birnberg has available at

very reasonable prices: a mediocre bed (ca \$10), a mediocre sofa bed (\$10), a less-than-mediocre air-conditioner (same \$10), and perhaps other items. Inquiries are best at home -- 623-0194.

That's a pretty mediocre phone number, Paul. - Ed.

* * *

CONGRATULATIONS

Mark Brenner was elected as Secretary/Treasurer of the Int'l Plant Growth Substance Association. It's a three year position. Dr. Brenner will also publish two newsletters per year as well as a directory of membership. (Membership is currently at 300, but Dr. Brenner would like to raise it to 300.) The next meeting is in Peking in 1991. Congratulations, Dr. Brenner!

* * *

MORE AWARD-WINNING FACULTY

Harold Pellett has been presented with the Norman Jay Coleman award by the American Society of Nurserymen. Congratulations, Dr. Pellett!

* * *

OUR STATE UNIV IS A GREAT STATE UNIVERSITY

The Minnesota State Fair is rapidly approaching and the University will be participating with an exhibit in the Education Bldg. This year's exhibit focuses on Homecoming, five coordinate campuses, and

the five centennials being celebrated.

The title is, "There's Just One U."

As always, volunteers are being recruited to front the booths. Shifts are four hours long and admission to the grounds will be provided. In addition to the free ticket to the State Fair, all volunteers will receive what U Relations describes as, "a chance to help make this project successful."

Could anybody ask for more? We thought not. Take part in this summer's PR offensive and don't forget to buy a Pronto Dog before you leave. Aren't they good? Um-umm!

But wait! There's more! In addition to the University's main walk-by, the College of Agriculture is running a separate booth in need of staffing. Mark Hill of COA invites Hort/LA faculty to volunteer for 2-hr shifts on the morning of Aug 31 and the afternoon of Sep 2.

The COA booth is, predictably, in the Ag/Hort Building. The press release says nothing about a free ticket to the grounds, but presumably COA's policy is similar to that of U Relations. Just ask nicely. And don't forget to buy a Pronto Dog before you leave. Aren't they good? Um-umm.

(*Twig Bender* is looking for volunteers for its "Pronto Dog" concession near the Junk Food Bldg. All volunteers will receive both a map to a hole in the fairgrounds fence as well as medical coverage for first degree burns and gastronomical complaints. . . unless we change our mind.)

See Laura for details/denials.

* * *

NEW STAFF

If you run into room 328 Alderman looking for Paul Birnberg, you are more likely to meet Gary Engstrand and Kelly Craigmile, who are working with Mark Brenner on the "Faculty Consultative Committee," and have moved into Rm 328. Both are swell individuals whom we welcome to Alderman Hall. Why not stop by and say "hello"?

Incidentally, we don't know where Mr. Birnberg is hiding out.

* * *

THERMO QUOTE

"Well it was a dirty job, but somebody had to do it. On Wednesday, we broke the record for the most number of days over 90° in one year. Now that we've successfully reached this important goal, would someone please lower the thermostat?"

Mary Stuart

* * *

ATTN AGRONOMISTS: DO YOUR PART

The Dept. of Int'l Programs is looking for a few good men & women to volunteer for long-term assignments in Rwanda and Burundi. Quote the press release, "The Rwanda position is the better of the two, with considerably better working and living conditions, although the Burundi position offers a real challenge and opportunities for real breakthrough." (*Besides that, working overseas would put you safely out of range of*

this fall's political media glut!
- Ed.)

Delane Welsch of Int'l Ag would like to know by Aug. 15 if anyone is interested. See Laura for details or phone Delane at 624-3221.

* * *

THE COLOR OF MONEY

Winner of *Twig Bender's* contest asking what R.B. Harvey was known for is Bob Nylund. (*We know this is terrible grammar, but the phone's ringing and we have a headache.* - Ed.)

Dr. Harvey, who has been touted here for 3 weeks now as "the real mover behind the founding of the American Society of Plant Physiologists," was no underachiever. As Dr. Nyland explains, Dr. Harvey was also renown for editing Maximov's book on "Plant Physiology," for developing use of ethylene in ripening bananas, and for developing the use of coloring in oranges, without which, would apparently be green!

(*So why weren't they originally called "greens"?* - Ed.)

Thanks to Dr. Nylund for coming forward with this info and winning the contest. You may retrieve the hefty \$5 prize from Dr. Wilkins, who originally posed the question.

* * *

Have A Week Of Longevity!

twig bender

Volume 6/No. 124/Aug. 12, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

Dates are very good for your health (even though, like most plants, they contain natural carcinogens). The *New York Times* is a splendid source of news and information, even if they do seem to have more typographical errors on the front page than *Twig Bender*.

* * *

To Our Readers: Not to be outdone by the *Star Tribune*, *Twig Bender* now has a policy regarding the use of "sources". To wit: sources will be used as seldom as possible. In most every case, stories we present as gospel will be outright fabrications. Sources, though sometimes unreliable (as the "Strib" has learned to its sorrow), are not **completely** unreliable and therefore of no use to us. We're after lies, misinformation, and malicious gossip: the kinds of things generally not available through more responsible media.

That's *Twig Bender*, always there to fill the void left by other less deceitful weeklies. We hope you appreciate it.

- Ed.

* * *

TRILLIUM WITH TUNA HOTDISH

Don't forget the outing, potluck, house concert scheduled for 1:30pm, Aug 20 at the home of Dave Olson and Mary Curran. For details and a map, contact Dave "Well, Maybe Just One More Helping" Olson, Rm 137 AldH. Phone: 624-4276.

* * *

CONGRATULATIONS

Please join me in congratulating Harold Wilkins on the occasion of his induction into the Floriculture Hall of Fame by the Society of American Florists. This singular recognition by a national industry organization is tribute to Harold's accomplishments in research and teaching, as well as a positive reflection upon the University.

Jim Bartz

* * *

RESEARCH MONEY AVAILABLE

The Nat'l Science Foundation encourages undergrads to pursue "research experiences" by underwriting many of them. To make a proposal and obtain the scratch necessary to make a lasting contribution to humankind, see Laura for the booklet entitled, "Program Announcement and Guidelines," and you'll be one step closer to winning that Nobel Prize.

* * *

ERRATA

Last week, we stated that Dr. Mark Brenner, who is the new Secretary/Treasurer of the "Int'l Plant Growth Substance Association," was hoping to increase this groups membership "from 300 people to 300 people". This, quite obviously, doesn't make any sense at all and we feel real foolish about putting it that way.

In truth, Dr. Brenner wishes to increase the membership from 300 people to 600 people. Now there's a goal worthy of his

recruiting talents. Why don't you help him out and sign-up yourself? Bring the whole family. . . We've got to corral 300 people, here!

By the way, the next meeting of the "Plant Growth Substance Association" is in Peking in 1991. Affordable? You bet. But you'd better start skipping dessert at the automat for a while.

* * *

Have A Penny-
Pinching Week!

twig bender

Volume 6/125/August 19, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

The Twig Bender staff found the events scheduled for this week unredeemingly boring and pointless and, after an editorial huddle, decided not to carry them.

* * *

With the GOP crowing, "It's morning in America," we at Twig Bender say that if it really is the start of a new day, we're just glad that we don't start it off any more by watching Phyllis George on The CBS Morning News.

Early a.m. news shows have exacted a bloody toll over the years. Consider poor Mariett Hartley. Once the darling of Madison Avenue for her peppy TV spots with James Garner, she now languishes in disgrace after the CBS Morning News provided a world stage for her gut-wrenching horse laugh. (It's a tragic thing. . .she can't even get a good seat at the Int'l House of Pancakes any more.)

What does it say about our society when somebody like Willard Scott makes more money than the Speaker of the House of Representatives (minus book royalties, of course) and the longest-lasting early morning personality was a chimp by the name of J. Fred Muggs?

Former morning talk show host and Miss America Phyllis George proved that she understood the tenuous nature of a.m. TV by going into the poultry business. (Her "heat-and-eat" chicken operation, "Chicken By George," was recently purchased by the Hormel Company for a whopping \$85 million.)



Phyllis George Brown

With all of the media attention diverted to the few misguided beauty pageant winners who have recently been convicted of shoplifting (Bess Myerson, Sarah McCarthy, Sissi Williamson, Annette Johnson, Marci Anthony, Susan Peterson, Heidi Hendrickson, Doris Fenster, Wanda Pazdursky, Cloris Myers, Cynthia Garrish, and Toni Fickelstein, to name but a few), Twig Bender is taking this opportunity to point out that a stint as a beauty queen does not necessarily lead to a life of crime or even journalism. We hope our readers do not let a the few "bad eggs" spoil the reputations of the law-abiding, upstanding professionals who make up the vast majority of this nation's pageant queens.

This weekly, at least, respects the many who have selflessly strutted down the red carpet to tickle the fancies of America's male chauvinists while reaping rewards that, if collected into one lump sum, would eliminate the national debt and subsidize a trip to Mars even without the Soviets.

Twig Bender says, "Three cheers for the Phyllis Georges out there. History will record that the real hero(in)es of our day are the ladies setting the standards by which all others are judged. Take a bow."

(Next week: something to offend our male readership, as well.)

- Ed.

* * *

FREE FOR THE TAKING

Tremendous "Yard Sale" of reprints - four file cabinets full - are free for the taking. Items include: Ethylene, senescence, Easter lily, flowering, branching, P.G.R.'s and etc. Basic and applied! Compliments of Harold F. Wilkins, Room 423.

* * *

NEWBORN

Dr. Allan Smith, our new faculty member (starting Sep 25), has had a new addition to his family. A daughter, Rachel Elizabeth, was born Jul 20 at 6 lb 7 oz.

* * *

FLAMINGOS AWARD

Upon being awarded two ceramic pink flamingos by the office, Jane McKinnon wrote the following note to the Honors Cmte:

"I gratefully accept as custodian the unique sculptural travelling trophy as evidence of

having the hottest party in the department for over 50 years. I fully understand that I am not worthy to retain this interesting artistic duo for longer than an event of equal significance.

"When a noteworthy occasion or signal honor comes for a qualified member of the Horticulture and LA faculty, I will relinquish my guardianship of these priceless objects in favor of the new responsible honoree."

At last! An award to equal the prestige of the wilted rose and assorted bowling ball awards!

* * *

MISSING METHODS OF LUTHER BURBANK

Volume I of our set of Luther Burbank's works, *His Methods and Discoveries*, is inappropriately missing from the reading shelf in Room 398.

* * *

NON-EMBARRASSING RUNNING NEWS

Barb Fick, Cynthia Fellman, Chad Finn, Brian Corr, Rodney Serres, and Nancy Olson participated in a 5K run at Michigan State. (*We won't print their times here, but if you come to the Twig Bender office, we'll sneak you a peak at the stat sheet for a nominal fee.-Ed.*) Oh, the press release says something about "be sure to mention their gallant efforts". Well, okay. . ."their efforts were very gallant".

* * *

PARKING RESTRICTIONS

Entrance to the St. Paul campus during off hours (between 5:30pm-7am workdays & on wknds) will be restricted during State Fair dates (Aug 25-Sep 5). Folwell and Cleveland will be the only "gate" open to people bearing a staff/student ID. Buford Ave, in front of the Student Ctr, will continue to serve as the exit from campus. Anyone caught tunneling out of the University will be placed in solitary confinement for the duration of the occupation.

* * *

OTTO SHOWED 'EM

Otto Andersen showed those Californians Sunday when he took 1st place in an orienteering meet at Griffith Park in L.A. (-you know, that's the place with the big HOLLYWOOD sign). The course was tough -- sand, hills, and rumors of rattlesnakes! Congratulations, Otto!

* * *

ATTN GRADS

Do you still need to fulfill your teaching experience requirement? Dr. Mullin is looking for a T.A. for Fall Quarter Hort 1100 Biology of Horticultural Crops. T.A. has primary responsibility for setting up and grading labs. Protocols for each of the five existing labs have been established. Opportunity for developing new labs or modifying current ones exists. Opportunities for lecturing and leading discussions can be developed, but are not required. Class meets from 2-3:45pm MWF. There is no stipend associated

with the position. Contact Dr. Mullin by Wed., Aug. 31 if interested.

* * *

ATTN FACULTY

For several years we have offered Hort 1100 during Wtr Qtr for those students taking the Botany prerequisite Fall Qtr. Botany is no longer available Fall Qtr. Because of this, as well as declining enrollment, Hort 1100 is being cancelled for Wtr Qtr. Transfer students who have a biology course will be permitted to enroll Fall Qtr. They would then take Botany and Plant Prop concurrently in Wtr.

* * *

ATTN GARDENERS

The harvest season is upon us, as is the pilfering season. Several people have had vegetables stolen from their plots over the last week. One individual driving an older model Chevy station wagon (yellow with wooden panels) was reported departing with a large number of tomatoes earlier this week. If you're as sick of tomatoes and cucumbers as some of us are, you may welcome any and all garden thieves to your plot. However, in the interest of your unsatiated fellow gardener, take note of unfamiliar vehicles or individuals in the area. After you have taken note of them, you may also wish to ask them what the heck they are doing.

**Have A Non-
Confrontational Week!**

twig bender

Volume 6/#126/August 26, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

SPECIAL FACULTY MTG

There will be a special faculty meeting to discuss position vacancies on Aug 30, 8:30am, in 394 AldH.

* * *

GARDEN PLOTTERS ALERT

"Clean up the aisles next to your plot(s)!! Due to poor management by the garden plot manager (me), people who were assigned the duty of cleaning up the aisles weekly have not done so. Debby Filler went out to do it this week and was overwhelmed. Thank you."

Chad Finn

* * *

PLANT BIOLOGY FELLOWSHIPS

Approximately 20 two-year postdoctoral research fellowships in plant biology are available from the Nat'l Science Foundation, and applications should be submitted by Nov 1. This program provides opportunities for plant biologists to learn concepts and techniques of related scientific fields in order to approach problems of plant biology with the most sophisticated tools.

See Jay in 305 for complete details.

* * *

SMALL GRANTS FROM USDA

Small grants are available under two different programs of the US Dept of Agr. (Applications

may be submitted at any time.) Minority Research and Teaching Grants will be awarded to encourage recruitment and training of minority students in fields related to agriculture. Int'l Research Grants, meanwhile, support studies that focus on int'l agr problems (pest management, product utilization, plant diseases, etc.). Please see Jay for complete details.

* * *

SEMINAR ON WED.

John Murray will conduct a seminar entitled, "Flavonoid metabolism in relation to differential anthocyanin accumulation in juvenile and mature phase Hedera helix L.," Wed, Aug. 31; 9am; 394 AldH.

* * *

GREENHOUSE NOTES & CHANGES

All pesticide spraying will be done on Monday evenings. Take Note.

During the summer months soil mixes will be made on request. During the school year the three main soil-mixes will be available at all times.

All greenhouse flats will be stored in the main storage room across from where the clean pots are kept. Please keep this room clean and orderly.

* * *

AIR RAVES

Harold F. Wilkins received WCCO-AM's "Good Neighbor of the Day" award on Aug. 24.

* * *

GRANTS-IN-AID

The Graduate School will continue its policy of accepting applications for research funds to be awarded at the fall meetings of the General and Health Sciences Research Advisory Committees. Priority will be given to those applications which could be included in the following categories: support for new faculty member, interim support during lapse in external funding, support for faculty member moving into new area of research, or support for faculty member in fields where external funding is scarce.

Please see Laura for details.

* * *

STATE FAIR STUFF

Vicki Anderson encourages *Twig Bender* readers to stop by her "Australian" booth at the Int'l Village of the Minnesota State Fair. (Just say "*Twig Bender* sent me!" and she'll cheerfully attempt to sell you some Aussie knickknack at an outrageous fee. ("*Just kidding.*" - Ed.)

Reminder: Access to the St. Paul campus for the Fair's duration is restricted during off hours to the entrance at Folwell and Cleveland, while departing vehicles will only be allowed through the Buford Ave. exit (near SPSC). You must display a staff or student ID in order to get in or out. (*Hard to believe, but they are currently enjoying more freedom of movement in Pinochet's Chile than we are here!* - Ed.)

Have A Police-State Week!

twig bender

Volume 6/#127/September 2, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

WELCOME DR. ALAN SMITH

Please join us in welcoming Dr. Allan Smith, our new faculty member. Dr. Smith has arrived from Monsanto and will be replacing Paul Read, working out of 356 AldH. Dr. Smith's area of specialization is Plant Molecular Biology. Be sure to introduce yourself and welcome Dr. Smith to the University.

* * *

CONGRATULATIONS

Congratulations to John Murray for successfully defending his PhD thesis on Aug. 31!

* * *

PUBLICITY OUTLET

The College of Agriculture is starting a weekly event listing called, "COA Calendar of Activities," intended as a handy reminder of what's happening during the upcoming week. Laura Kalisch has forms available for you to submit reminder items.

* * *

CONGRATULATIONS

Our congratulations to Karl Sauter, who recently completed his Master's program.

* * *

CORN INFO

The following brief article in *HortScience* provides answers to the many questions about the supersweet (and other) sweet corns, particularly

regarding problems with cross pollination:

Courter, et al., 1988. "Classification of Vegetable Corns," *HortSci* 23(3):449-450.

* * *

CLASS NO LONGER OFFERED

For several years Hort 1100, "Biology of Hort Production," has been offered during winter quarter for students taking the botany prerequisite in the fall. However, since Botany is no longer available fall quarter, Hort 1100 is being cancelled for winter quarter.

Transfer students who have a biology course will be permitted to enroll fall quarter. They would then take botany and plant propagation concurrently in winter.

* * *

HEATHKIT ROUNDUP

Anyone knowing the whereabouts of Cecil Stushnoff's three missing power packs (Healthkits) should inform either Marty Stahler or Jim Luby. Thanks.

* * *

FLOWER AND GARDEN SHOW

The best vegetables and flowers grown by Twin Cities' gardeners and unique floral arrangements will be on display at the annual Flower and Garden Show to be held September 10-11 at the Minnesota Landscape Arboretum in Chanhassen. Anyone can

enter the show and ribbons will be awarded to the best vegetables, flowers, and floral arrangements. There is a special junior exhibitor category for young gardeners under 18 years old.

If you are interested in entering the competition, a complete copy of the rules and schedule can be obtained by calling the Arboretum at 443-2440. Entries must be placed between 7 and 10 am on Sat., Sept. 10.

The show will be open to the public from 1-4:30pm on Sat., Sept. 10, and from 11am-4:30pm on Sun., Sept. 11. There is no charge for this event, although there is a \$2 gate fee at the Arboretum for each person over 13 years of age, \$1 for children under 13 years old (free when accompanied by a parent). There is no gate fee for Arboretum members.

* * *

Have A Top-Drawer Week!

(Thanks to Dr. White for submitting the comic below:)



"Well, I'd better get going. I have a lot of people to bother today."

twig bender

Volume 6/#128/September 9, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

GRAD STUDENT ORIENTATION

New graduate student orientation will be held Thursday, September 15 from 10:00 to 4:00 starting in Room 394. All graduate students who have arrived since last fall are encouraged to attend. Further details will be posted.

Among the festivities, a social hour for the whole department is planned for 3:00 - 4:00 in the foyer. Let's get the new quarter and the new students off to a good start!

* * *

SEMINARS BEING ORGANIZED

Graduate Students in Plant Pathology are organizing a one or two day symposium to be held winter or spring quarter, and need your suggestions for symposiums topics, possible speakers, or any other suggestions that would pertain to the symposium. Topics should, needless to say, relate to plant pathology.

Please send suggestions to: Plant Pathology Symposium Committee, c/o DeLane Duval, 495 Borlaug Hall. Deadline is Sept. 16.

* * *

WASECA ROUTE

The 35W - 60 - 13 route is shorter (and faster) than the 35W - 14 route to Waseca. However, within the former there are two options: 1) the Morristown cutoff (6.8 miles/7 minutes), or 2) the Waterville Dogleg (9.8 miles/10 minutes).

GUIDELINES AVAILABLE

Program Announcement and Guidelines for the National Science Foundation's "Undergraduate Faculty Enhancement Program" is available for your perusal via Laura. (Target date for summer 1989 projects in October 14, 1988.)

* * *

GARDEN TOUR

Reservations are being accepted by the Minnesota Horticulture Society through Wed., Sept 14 for a benefit garden tour for "Minnesota Green" of St. Paul gardens (as part of their community outreach program). The tour takes place on Sun., Sept. 18.

Please phone the Hort Society at 624-7752 for details.

* * *

POWER OFF

The main power supply for Alderman Hall will be interrupted on Tues., Sept. 20 at 8 a.m. and again at 4 p.m. in order for Physical Plant to repair a leaking transformer. The emergency generator will kick in immediately after the power is turned off so there will be sufficient electricity in the building to handle all electrical needs. There should be someone close to any equipment that needs to be monitored at 8 a.m. and 4 p.m. when the power supply is turned on and off.

* * *

FACULTY MEETING NOTICE

There is a faculty meeting on Tues., Sept. 13 at 8:30 a.m. in Room 394.

* * *

Have A Fine Week!

twig bender

Volume 6/#129/September 16, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

Tue - The Return of Department Coffee Hour, 9:30am, 394 AldH

Fri - Open House at Dr. and Mrs. Bartz's, 6pm. See news item below.

Sat - Fall Festival, MN Arboretum, 9am-3pm. See news item below.

* * *

Time Magazine may have acted prematurely years ago when it pasted Wendy Anderson on its cover and announced that Minnesotans enjoyed "the good life". That was long before the ascension of Garrison Keillor, Harvey MacKay, and The Minnesota Twins.

True, Keillor's legacy is an ornate auditorium that threatens to bankrupt Minnesota Public Radio, MacKay's best selling Swim With the Sharks tome advocates parasitic business practices, and "The World Champion Minnesota Twins" have been cheerlessly relegated to the ranks of the "has beens".

Never you mind. Community pride has just hit a new water mark.

Yes, Gretchen Elizabeth Carlson has sashayed away with the Miss America crown and, once again, Minnesota has been catapulted into the intergalactic spotlight.

By choosing Ms. Carlson, a member of the Minnesota Orchestra, Miss America judges have sent forth a message reflecting a new-found sensitivity. "The Miss America pageant is no longer plagued by

sexism," the judges seem to be saying. "The Miss America of today is not selected according to how she looks in a bathing suit. She is chosen according to how she plays a violin and how she looks in a bathing suit."

Back home, the hysteria has been reminiscent of the spontaneous outburst unleashed when the Twins snared the Pennant. Upon hearing the news, throngs of fans stormed Schmidt Music Centers demanding violin lessons. Sales of Mary Kay Cosmetics have increased to levels unheard of since the self-imposed exile of Tammy Faye Bakker. Demand for elevator shoes has similarly skyrocketed, as women everywhere struggle to emulate the diminutive Ms. Carlson.

Eager to capitalize on its new-found celebrity, The Minnesota Orchestra has announced that, henceforth, all members of its string section will perform in swimwear. "It's just an experiment," says acting concertmaster Jorja Fleezanis. "But if the public reacts favorably, we may expand the dress code to include the brass section."

Reaching Ms. Carlson moments after her ascendancy to the throne, Twig Bender informed the teary-eyed Gretchen of the hysteria generated back home. Her bemusing reply: "I'm going to Disney World!"

"She's a little out of it," explained Gretchen's mother. "She's been declaring her intention to go to Disney World to everyone within earshot since winning the crown. Poor dear. Her mascara's coagulated in her contact lenses and she can't tell

the Disney publicity people apart from anyone else."

Disney World will be only the first in a long series of personal appearances for Ms. Carlson, who also looks forward to appearing with Tammy Faye at the long-awaited resurrection of the Bakkers at Heritage U.S.A., as well as addressing the annual conference of the National Organization for Women.

Back home, the celebration will continue in her absence. Governor Rudolph G. Perpich has declared next Monday "Gretchen Carlson Day" with a ticker-tape parade and a Capitol steps ceremony being planned. Since Ms. Carlson will not be able to attend either event, former Miss Minnesotas will ride in the motorcade, escorted by their probation officers.

"We're giving Minnesotans an opportunity to channel their euphoria," says the avuncular Mr. Perpich. "I'm even giving state employees the opportunity to take the day off, provided they have enough vacation time built-up."

Twig Bender joins the governor in congratulating the new Miss America. Thank goodness that for every Harold Stassen (with all due respect) there's a Kirby Puckett or a Gretchen Carlson to serve as examples of the caliber of contender this state can produce.

Now, what can we do about University Athletics? - Ed.

* * *

(Please See Reverse)

OPEN HOUSE

Dr. and Mrs. Bartz are holding their annual Open House and dinner on Fri., Sept. 23, at 6pm. All new and continuing graduate students, postdocs, spouses, children and friends are welcome. A sign-up sheet and map are posted in the back hallway on the grad board.

* * *

COFFEE HOUR RETURNS

The Miss America pageant and other hot topics will be kicked around at this year's inaugural coffee hour (see calendar item above). Everyone's invited. Evonne promises to bring treats, but asks that one person volunteer for clean up. (Bob Barker has been invited to speak on Animal Rights, but he's not expected to attend.)

* * *

IDENTIFY THOSE COMMODITIES

The Produce Marketing Association has developed a full color, 25" X 38" produce identification poster featuring 120 commodities. If more than ten copies are ordered, the price will be only \$6 each (plus handling). For more information, contact Laura McCann.

* * *

MISSING FLATS

About five years ago, the mum project purchased and assembled 200 wooden flats at a cost of app. \$5 each. At present, 75 are missing. We are concerned both because we no longer have

enough for our needs and because no one asked if they could borrow them. If anyone knows where our prodigal flats have gone, we will welcome them back into the family with open arms - no questions asked!

* * *

SPONSOR A BIKER

Dave Larson will be participating in The Great River Ride Bicycle Trek the weekend of Sept. 24. This 170 mile tour is a benefit ride for the American Lung Association. Sponsorship of riders in these tours supplies a major portion of the Lung Association's overall operating budget. To make a tax deductible contribution, stop by Dave Larson's office (162 AldH) or sign up on the pledge sheet posted in the back hall.

Thank you.

* * *

ARBORETUM ACTIVITIES

The Arboretum features free entrance every Thursday after 4:30pm. Here's a great opportunity to enjoy fall colors (other than maroon and gold).

The Arb's "Fall Festival" takes place this Saturday, from 9am-3pm. There will be balloons and activities for children, such as making grapevine head wreaths, decorating pumpkins, making herb scent bags, and painting faces from 10am-2pm at the Arb's Learning Center. The Teddy Bear Band, a popular favorite of young people, will play from 11:30am-noon.

Starting at 9am, the Arboretum Auxiliary will again feature the popular sale of unique dried floral arrangements and crafts. A bake sale featuring homemade cookies, cakes, and other treats will be held from 9am-1pm.

In the Margot Picnic Area, garden clubs and plant societies will sell plants, bulbs, crafts and food. There will also be demonstrations of apple cider making and visitors can taste the freshly pressed cider. A variety of apples from the HRC will also be available, along with info on current fruit research at the Arb.

* * *

**Have A Week
Of Crowning Achievement!**

twig bender

Volume 6/#130/September 23, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

SEPT 26-30

TUE - COFFEE HOUR 9:30AM, 394 ALDH

SHIRLEY MUNSON - HOST

Wed - Department Retreat,
3:30-9pm, Arboretum
(see item below)

Fri - Plant Hardiness
Discussion: IRGA of
Stressed Plants, Noon,
398 AldH. See Bud
Markhart for details.

* * *

DEPARTMENT RETREAT

The 1988 Department Retreat will be held at the Arboretum on Sept. 28, from 3:30-9pm. All faculty, staff and students are encouraged to attend (no charge). Plans for 1988-89 will be discussed, with time set aside to enjoy the Arboretum. A car pool sheet is available in 305 AldH.

* * *

PARKING

Any vehicle parked around or in-between the greenhouse ranges will be ticketed starting Mon., Sept. 26. A warning has been issued by the U of M police.

* * *

LAST CHANCE

If you are interested in sponsoring Dave Larson in the American Lung Assoc. Bicycle Trek please sign-up on the sheet by the grad student mail boxes. Pledge forms will be turned-in to the Lung Assoc. Mon., Sept. 26. Thanks.

* * *

GIVE-AWAY

Pint canning jars, containers and miscellaneous stuff. See Shirley Munson in 362 or Mara in Lab 369.

* * *

PACKAGES IN BACK HALLWAY

We need to be reminded if you are expecting a parcel. Please check the back hallway daily and remove your packages as quickly as you can so as not to clutter. Thank you.

* * *

ASSISTANTSHIPS AVAILABLE

Assistantships available through the "American Society of Agronomy" for graduate study. See Laura for application form. Deadline for application is Oct. 21, 1988.

* * *

MACINTOSH PRICE INCREASE

Apple Computer, Inc. has announced price increases of 15 to 20% on most products, effective Oct. 1. To beat the price increase, Apple products must be ordered in person at the Williamson Book Center by Sept. 30, 1988. If you have questions, please call the Microcomputer HelpLine: 626-4276.

* * *

RESEARCH MONEY AVAILABLE

McKnight Awards for individual research projects in Plant Biology are available if you apply by Dec. 2. See Laura for more info.

* * *

CHURCHILL SCHOLARSHIPS

The Winston Churchill Foundation is awarding scholarships for graduate study. Applications are due Mon., Nov. 14. See the announcement posted in the back hall for details.

* * *

JAZZ COMPOSER SERIES

The West Bank School of Music will continue its Jazz Composer Series beginning on Oct. 7. The first performance, taking place at 8pm at Willey Hall, will feature the music of "The Rite of Spring," a quintet led by composer Adi Yeshaya. Admission is \$4.50 general and \$3 for U of M students, seniors, and West Bank School of Music members.

* * *

Reminder: All news items for Twig Bender must be received by 4pm, the Thursday preceding publication. Thank you. - Ed.

* * *

Have a Great Week!

twig bender

Volume 6/#131/September 30, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 3-8

* * *

Jim Bartz or Roger Meissner.
Urgent.

PHOTO PROCESSING

* * *

TUE - Departmental Coffee
Hour, 9:30am, 394 AldH,
Host: Sonja Maki

For those of you who don't already know it, Extension film, film processing and copystand work is available directly from the Photo Lab in 125 North Hall. Art supplies will be obtained from either Extension Management Support in 20 Coffey Hall or from the St. Paul Campus Bookstore. Your departmental Extension budget number will provide access to these services and supplies.

BOWLING TEAM

The Hort & LA bowling team is looking for eager volunteers who would like to bowl occasionally or regularly on Wed. evenings. If interested (ability is optional) contact Bud Markhart in 258 AldH.

* * *

ASIA BECKONING

The Henry Luce Foundation is offering scholarships to send grad students to Asia. The deadline for application is Nov. 1. For details, please see the notice in the back hall (blue sheet).

* * *

FACULTY GRANTS

Money is available to faculty, also, in the form of grants from the MN Supercomputer Institute in the following categories: 1) computer research grants, 2) visiting research scholarships, and 3) travel grants.

The calls for proposals are available from Laura.

* * *

DO SOMETHING TO STOP SEXUAL VIOLENCE

University Counseling Services has announced a training program for volunteers interested in joining the U of M Sexual Violence Program.

JUST THE FAX MA'AM

FAX equipment is an expedient way to transfer documents cross country and even internationally. Material is sent in original format and re-typing is not necessary.

FAX equipment has recently been installed at the Ag. Exp. Sta. in 220 Coffey Hall. During a limited test period, the Ag. Exp. Sta. will cover the cost of sending material. Charges are the same as for long distance phone calls connect time. Kathy Donahue may be contacted at 625-4211 for details.

(If you wish to receive correspondence or documents from others, the FAX phone number you will need as reference is 612-625-0286.)

Add'l FAX equipment is available at "Kinkos Copy" on Cleveland; Exp. Sta's at Crookston, Grand Rapids, and Cloquet; and the Forestry Dept.

PLEASE RETURN

The table top return for Laura Kalisch's file cabinet has been removed from storage in 201 AldH. It's needed. Please return it to either Dave Olson or Laura. Thank you.

* * *

FIELD TRIP

Extra seats are available for a field trip to Hermes Greenhouse. If you'd like to join Hort 5052 on this expedition, you are welcome to join in. The caravan leaves the head house at 2pm, Oct. 6. See Barb Fick for details.

* * *

BLUEPRINTS OF GREENHOUSE

Anyone possessing a copy of the blueprints to the greenhouse/headhouse complex should contact Harold Wilkins,

Please see the notice in the back hall for details.

* * *

COLLOQUIM OFFERED

"Soil Surface Chemistry" will be offered during Spring Quarter. It will cover general topics in surface chemistry and their application to problems in Soil Science. It will be a 1 credit colloquium given by Dr. Ed Nater. For more info, contact Dr. Nater in 558 Borlaug or phone 625-1725.

* * *

DEUTSCHLAND BECKENS

Fellowships are available through the Graduate School Fellowship Office for grad students wishing to conduct research in Germany. Deadline for application is Nov. 1. For details, please see green notice in back hall.

* * *

DOWN BY THE BAYOU

Graduate research fellowships of \$15,000 plus tuition, renewable for up to three add'l years, are available from Louisiana State University. They are intended for students pursuing doctoral studies in horticulture, plant physiology, plant genetics, or food science. For details, see notice in the back hall, or phone the Hort. Dept., LA State U, 504-388-2158.

* * *

Have A Great Week!

twig bender

Volume 6/#132/October 7, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 10-14

MON- Grad Sdt Mtg, 11:30am-1:00pm, 415 AldH (see news item below)

- PhD Thesis Sem.: *Growth and Flowering of Zantedeschia*, Brian Corr, 1pm, 398 AldH

- Plant Breeding Sem.: *Selection for Partial Resistance To Pests and Pathogens*, Heidi Kaeppler, 4pm, 408 Agronomy

- Mon. Night Discussion: Kickoff BBQ and potluck, Home of Jim Luby & Emily Hoover, 1416 N. Pascal St., St. Paul

TUE - ~~Monthly Faculty Mtg, 8:30am, 394 AldH~~

- Brown Bag Disc.: *The Teacher's College in Potsdam*, Axel Gzik, Noon, 394 AldH (see item below)

- Dept. Coffee Hour, 2:30pm, 394 AldH, Hosts: Laura McCann & Laura Kalisch, Disc. Topic: Emp. Hirohito's health

WED- GSC Mtg, 8am, 398 AldH

- *Environmental Physiology Journal Club: Cold acclimation in Arabidopsis thaliana*, Bud Markhart discusses paper by Gilmore, et al., Noon, 202 Sdt Ctr (all are welcome)

- Wed. Sem.: *Graphics As a Visual Aide*, Chris Kohn, 4pm, 415 AldH

THR- Field Trip: Linder's Greenhouse, 2pm (see Barb Fick for details)

SAT - Nature's Bounty Workshop, 9am - 3pm, Arboretum (see item below)

* * *

GRAD STUDENT MTG

There will be a meeting for all grad students on Mon., Oct 10 from 11:30am - 1pm in 415 AldH. Topics will include the Orientation Mtg, Prelim Questions and Discussion Groups. (If you can only attend part of the meeting, come anyway.)

* * *

GZIK TALKS

As noted in this week's calendar (above), Dr. Axel Gzik, visiting scientist in Mark Brenner's lab from the German Democratic Republic, will discuss "The Teachers College in Potsdam," Tue., Oct. 11, Noon, 394 AldH.

Note: A memo distributed to grads/faculty listed an incorrect date for Dr. Gzik's *second* lecture. It will take place on Oct. 18, *not* Oct. 13 (as printed). Please make a note of this.

* * *

ARB WORKSHOP

As noted in the calendar (above), "Nature's Bounty Workshop" will take place Sat., Oct. 15, 9am - 3pm, at the Arboretum.

The workshop will focus on uses for dried and fresh flowers and plants, and show how one can "jazz up" holiday tables with unique "tablescaping" ideas using fruits, flowers, branches, and other materials. Exciting table settings, centerpieces, and accessory pieces will be shown. The workshop will be lead by

Karen Storvick, a specialist in table settings.

Fee is \$25 for Arb members/\$30 for nonmembers (incl.'s lunch and materials). Phone 443-2460 for details.

* * *

CLEAN IT OUT

Please clean out personal items from Hort Club cooler No. 198C by Mon., Oct. 10 or they will be tossed. Thanks.

* * *

PLEASE RETURN

The table top return for Laura Kalisch's file cabinet has been removed from storage in 201 AldH. It's needed. Please return it to either Dave Olson or Laura. Thank you.

* * *

CHANGE IN DIAL U HOURS

Dial U has changed its hours. It is now open on weekdays from 9am - 2pm. These hours are effective through March.

* * *

PLANT EVALUATION

"Since early August, the turf research group has had to propagate, maintain, package and ship a large number of very important Poa annua and Poa supina plants for evaluation at 18 golf courses around the country. We would especially like to thank Roger Meissner, Kathy Lloyd and Martha Piechowski for their great teamwork on this job."

Karl Ruser

Please see reverse

POSITION IN FLORIDA

The University of Florida has an opening for a Visiting Professor in "Urban Forestry/Horticulture". See notice in back hall.

* * *

LAB FUNDING

The Nat'l Science Foundation is offering funding for "Instrumentation and Laboratory Improvement" in order to improve the quality of undergrad curriculum by supporting projects to develop new or improved instrument-based undergraduate laboratory and/or field courses in science. (The word "laboratory" refers to laboratory-like activities, whether conducted in a laboratory, in the field, in an observatory, or in some other suitable instructional setting.)

Clear? Then get that application in. The deadline is Nov. 21. See Laura for details.

* * *

BOOKS DISCOVERED

Two books were placed in Dr. Mullin's mailbox by mistake. If they belong to you, please see Jay in 305 to claim: *Our Precarious Habitat* by Melvin A. Benarde and *The Politics of the Budgetary Process* by Aaron Wildavsky.

* * *

UGLY CUCURBITACEAE

Kathy in 305 is asking for squashes, pumpkins, gourds and especially corn stalks for the annual display in the main office. If you wish, you may have the items back at the end of the month.

* * *

PARING KNIVES MISSING

Shirley Munson is missing about 1/2 dozen paring knives (small kitchen knives). She needs them for apple panels. Please return to Rm 369 or Shirley.

* * *

PLEASE WRITE

Tsai-Yun Lin is doing post-doctoral research in Jill Winter's lab at Columbia, MO.

She would really like to hear a few words from her buddies in Minn. (Also, some helpful hints to rid her apartment of cockroaches.) (*As submitted-Ed.*)

Her address is: Tsai-Yun Lin; 510 High Street; Apt. #305; Columbia, MO 65201. Cockroaches may be reached in care of the same address.

* * *

WEEKEND WATERERS

"It's the Fall season again and colder temperatures are here. Please remember to close all side vents and to turn the cool-heat control on the panel outside of your section to the heat setting. If you have any questions, please feel free to see me. Thanks."

Roger Meissner

* * *

SHE'S OUTTA HERE

Andrea Wieland, our "Word Processing Specialist" in 305, has accepted a new position as "Principal Secretary" in the Remote Sensing Lab in Forest Resources. Her last day here will be Fri., Oct. 14. This is a promotional move and an

excellent opportunity. She will be sincerely missed.

Good luck Andrea!

* * *

PROJECT SUNRISE SEMINARS

"Ethics, Values and Public Policy" is the theme of this Fall's seminar series at Project Sunrise. The calendar is as follows: Oct. 24 - "Environmental Values"; Nov. 7 - "Ethics & Values in Food Safety Regulation"; and Nov. 21 - "Nutrition & Nat'l Policy".

All seminars run from 3-5pm in 110 SPSC. Advance registration is requested. Write Project Sunrise, 277 Coffey Hall (deadline Oct. 17).

* * *

FUNDS FOR GRADS

The Nat'l Science Foundation has announced fellowship opportunities for graduate students. Deadline for application is Nov. 14.

Please see Laura for details.

* * *

NEW STAFF

Please stop off in Accounting and welcome Fernande Rodgers to the department. Fernande started her new job as "Senior Accounts Assistant" last Wed. We're delighted to have her join us!

* * *

Have A
Perspicacious Week!

twig bender

Volume 6/#133/October 14, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 17-21

MON- Plant Breeding Seminar: *In Vitro Selection For Disease Resistance Using Toxins*, Ahmed Khurshid, 4pm, 306 Borlaug

- Monday Night Disc. Kickoff BBQ & Potluck, Home of Jim Luby & Emily Hoover, 1416 N. Pascal St., St. Paul, 6:30pm

TUE - Departmental Coffee Hour, 9:30am, 394 AldH, Julie O'Leary, host.

WED- Ag Career Day, 10am-3pm, North Star Ballroom, SPSC (see news item below)

- *Environmental Physiology Journal Club: Cold Acclimation in Arabidosis*, Bud Markhart cont.'s disc. of paper by Gilmore, et al., Noon, 207 Sdt Ctr (all are welcome)

- Wed. Seminar: *Interdisciplinary Research: Ho Hum or a New Synergy?*, Harvey Sarles, 4pm, 415 AldH

THR- Bush Sabbatical Program Information Mtg, 2:30-4:30pm, East Wing, Campus Club (see item below)

SAT - Two Programs On Wildflowers, Arboretum (see item below)

* * *

Errata: Last week, we announced that the "BBQ Kickoff" to the "Monday Night Discussion" series would take place at the home of Jim Luby & Emily Hoover Oct. 10. Not so. It takes place this coming Monday evening, Oct. 17

(see calendar above). We can't understand why we screw up so much. Perhaps its the cough medicine we're taking. - Ed.

* * *

AG CAREER DAY (amendment to calendar)

Ag Career Day offers advice to people interested in "Desired skills and academic preparation," "Job hunting advice," "Internship opportunities," and "Full time positions". It takes place Wed., Oct. 19.

BUSH SABBATICAL PROGRAM INFO MTG (amendment to calendar)

Program includes the following subjects: "Program Guidelines and Selection Process," "Personal Reflections By Past Recipients," and "Guidelines for Developing a Strong Proposal".

WILDFLOWER PROGRAM (amendment to calendar)

Wildflower expert Fred Case will present "Trilliums of North America" at 10:30am, and a second program, "Orchids of the Western Great Lakes," at 1:30pm. Fee for both lectures is \$12.50 for Arboretum members, \$15 for nonmembers, which includes lunch. Fee for either the morning or afternoon lecture is \$5 for members, \$7.50 for nonmembers. More info available at (612) 443-2460.

DISC POSTPONED

Hort 8063, "Discussions of Hort Crop Plant Breeding," does not meet Oct. 19 but will meet the following Wed., Oct. 26.

NATURE'S BOUNTY WKSP

U of M Staff members: Call Pat Madden at the Arboretum (443-2460) to make arrangements for attending the "Nature's Bounty Workshop" at 1/2 price (\$12.50) on Saturday, Oct. 15, from 9am-3pm.

BEST OF LUCK, BRIAN!

"It sure is strange how, now that it's time to leave here, where I've sweated and suffered, the place doesn't look so bad. Thank you one and all for the kindness you have shown me. It has gotten me through the tough time, and means more than I can say. If any of you are so inclined, drop me a note: 2412 Bishops Bridge Road, Knoxville, TN 37922, or give me a call: 615-693-8698.

I think I'm gonna miss y'all."

Brian Corr

Twig Bender would be remiss if we did not express our delight in Brian's academic success and wish him a bright future. We'll miss him. - Ed.

STAR SEARCH

The Hort video is progressing. Filming is now underway! If you have spare time to help on the camera crew (lights, mikes, walk-through actors, or camera) please see Vicki Anderson in 305 Alderman Hall with your schedule. An afternoon or weekend here and there would be greatly appreciated.

MARK CALENDARS NOW

Rod Serres will present a special seminar at 9:30am on Oct. 31. More info to follow, provided somebody lets Twig Bender know what's going on.

A PARTY SOMEWHERE

There will be a party "somewhere" on Tues., Oct. 18 for Peter Bierman. Congregate in room 435 AldH and then exit between 4:30 - 5pm.

BE A MEDIA STAR

Here's your chance to make good on Andy Warhol's prediction and become famous, if only for three minutes:

KSTP's Chuck Lilligen will be on campus every Monday from 9-10am recording interviews for his KSTP radio news slots! If you have a topic that you would like to discuss on-air ("it must be of interest to either rural or urban audiences," sez KSTP. . .as opposed to. . .?), sign and return the special form located in the back hall. You could be the next Cyndy Brucato!

However, the University has both a long memory and considerable trepidation over how it will be represented. Therefore, the Public Relations Director on the St. Paul Campus (Ms. Dani O'Reilly) encourages candidates to set up a special "training" session with her entitled, "Tips For Better Media Interviews". (This is arranged via the same application form.)

So put on your best face, and take on the local media jackals (although Mr. Lilligen is reputedly kind and considerate, holds elevators doors for people, and enjoys a rudimentary comprehension of table etiquette).

This could be your big break! Where would Cyndy Brucato be if she hadn't taken a few risks? (By the way, where is Cyndy Brucato?)

PUBS FOR FACULTY

Two new publications are available for inspection: 1) "1988-89 Instructional Resources Handbook," and 2) "1988-90 Undergraduate Research Opportunities Program Directory".

Please see Evonne to review either publication.

SAFETY TRAINING

The annual department "Safety Days" will be Mon. & Tue., Oct. 24 & 25. Presentations will be in the afternoons in 394 AldH. Exact details will follow.

SLIDE PROJECTORS NOTICE

All slide projectors need to be returned to 326 AldH by Mon., Oct. 17.

DISCUSSION LEADERS

Please post your fall quarter schedules on the bulletin board in the main lobby on the third floor of Alderman Hall. Thank you.

INJURY REPORTED

Ruth Hunt, wife of Eldred Hunt, retired Exec. Sec. of the MN State Horticultural Society, fell this week and broke her hip. She is at Midway Hospital.

GARDEN PLOTS

The time has come to clear out the gardens. They will most likely be plowed the week of Oct. 17. Please remove any vegetables you want and ALL stakes, fences, plastic, string, etc. The garden plot committee will be checking out the gardens Sun., Oct. 16 in the afternoon.

Anyone with trash still in their garden will have their foreheads branded and their name in the Twig. (*As submitted. - Ed.*)

PRELIM QUESTIONS SOUGHT

Dr. Harold F. Wilkins is looking for written preliminary exam questions. Only two have been submitted so far. Suggested topics include: weed control, plant hardiness, perennality, culture and production in protected environments, plant growth regulators, basic botany, breeding for stress tolerance.

Please submit questions for consideration as soon as possible. Thank you.

NEW DATABASE

The St. Paul Campus Library offers "AGRICOLA," a new, fibrous soft drink/laxative that's only one calory - but what great taste! (. . .*Sorry, wrong copy.- Ed.*)

Ah, here we are: "The St. Paul Campus Library offers AGRICOLA, a new database containing bibliographic records of materials acquired by the Nat'l Agricultural Library and cooperating institutions in the agricultural and related sciences. AGRICOLA is the largest database of agricultural information available anywhere in the entire known world."

Ask for details at the library. Available in one liter bottles and . . .*oh, never mind.*

* * *

**Have A Week With No
Unpleasant After-taste!**

twig bender

Volume 6/#135/October 31, 1988

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 31-NOV 4

- MON - Plant Breeding Seminar: *Measuring Genetic Diversity Among Popular Commercial Corn Hybrids*, Gbadebo Olaoye, 4pm, 306 Borlaug
- Mon Night Disc: Prelim Exam Question Discussion, 7pm, Fireplace Rm, McNeal Hall
- TUE - Department Coffee Hour, Hosts: Jim Bartz & Jay Hopkins, 9:30am, 394 AldH
- WED - Wednesday Seminar: *Evaluation of Solid Waste Compost as a Media Amendment for Greenhouse Use*, Julie O'Leary, 4pm, 415 AldH
- THR - Plant Pathology Seminar: *Viroid Processing*, Theodor O. Diener, 4pm, 335 Borlaug
- FRI - Plant Cold Hardiness Disc.: *In Vitro Preparation of Plant Micro Tubules by Assembly/Disassembly*, Marna Ericson, Noon, 398 AldH

* * *

Welcome to the Age of Confrontation.

Americans in general, and deceptively stoic Minnesotans in particular, seem attracted to confrontation between public figures as a kind of catharsis for the pent-up rage accumulated via the indignities suffered by many of us in everyday life.

The quest for "confrontation by proxy" appears universal. We are never happier than when we are basking in the discomfort of others, particularly when they are locking horns.

Consider the celebrated verbal altercation between George Bush and "Gunga" Dan Rather. After their public snarling over Iran-Contra, the vice-president's pre-nomination popularity skyrocketed and CBS came breathtakingly-close to dragging itself out of its third-place rut in the ratings war.

Locally, the baring of fangs between Congressional contenders Skip Humphrey and Dave Durenberger has been so nasty that even veteran mudslingers are standing up and taking notice. So popular proved their verbal jousting that Messrs. Humphrey and Durenberger are considering taking their shouting match on the road in order to placate an insatiable public appetite.

Seemingly, even more popular than political mudslinging are clashes within our ultraglamorous Pop Hierarchy. Conflicts among the superfamous are well documented in scandal sheets which are scrutinized more carefully than the Congressional Record. Fans delight in the romantic entanglements of Mike Tyson, Joan Collins, Sly Stallone, et al. It seems that nothing is a better guarantee of superstardom than social impropriety. How else to account for the continued box office popularity of Sean Penn, a thespian celebrated more for his right hook than for any discernable acting ability?

Recently, the most far-reaching American institution of all, **The Talk Show**, has entered the melee. Formerly the refuge of mousy book promoters and prodigious pets, the talk show of today

caters to our collective bloodlust with combatants so outspoken, they make the current campaign season look like a "love-in".

Donahue, Geraldo and Ophrey titillate by presenting the most belligerent guests imaginable, unleashing them with a crazed zeal unmatched since Conan Doyle's "Stapleton" unchained "the hound of the Baskervilles".

The most popular miscreant of all has proven to be Morton Downey, Jr. Recently invading the Twin Cities via syndication, Downey determinedly reduces public discourse to a shouting match, liberally peppering his own commentary with epithets so foul they threaten to overtax his First Amendment rights. So vile is the program, it may become the quintessential catharsis for an overwrought citizenry.

Or it might just provide a few laughs. At any rate, one of these reasons might explain the recent formation of "The Mort Downey Jr. Fan Club" by Steve Berman and Mike Evans. It's a wonderful way to release rage, more fun than All-Star Wrestling and not as dangerous as contact sports. For details, see either Steve or Mike.

As for your editor, he's sticking with William F. Buckley. - Ed.

* * *

BIRTH ANNOUNCEMENT

Phil and July Allen announce the arrival of their new (3rd) daughter, Heidi, born Oct. 26. Heidi weighed in at 9 lb 4 oz and measured 21-1/2 inches. (Phil missed his Soil Physics midterm as a result.)

(Please see reverse)

PRELIM INFO

Note that only two prelim questions have been submitted to GSC. One of these has been already used. Please get your committee together ASAP so a yearly schedule can be formulated and you can place the grading and discussion dates on your schedule.

Drs. Rosen, White and Wilkins encourage attendance at this week's "Monday Night Discussion," which will concern a recent mineral nutrition prelim question.

Also, grad faculty please note that a new policy states that a list of articles and references citations are to be submitted at the time the prelim question is submitted. Evonne will copy and distribute to students after the exam.

BENEFITS FAIR

The Employee Benefits Info Fair will be held Nov. 3, 10:30am-2:30pm in the North Star Ballroom, SPSC. Faculty and staff may discuss health insurance changes, new reimbursement accounts, and retirement plans with reps from various carriers.

ADVISING PORTFOLIOS

The student advising portfolios for Undergrad Advising faculty have arrived from the College of Agriculture office and may be picked up from Evonne.

NEW REIMBURSEMENT PROCEDURE

Effective Dec. 1, the Business Office will no longer accept photocopies of invoices, bills, checks, etc. When requesting reimbursement, individuals must submit *original* supporting documents (i.e. airline ticket stubs, motel invoices, registration

receipts, etc.). Also, when requesting reimbursement, individuals must include their home addresses; checks will be mailed to the payee's home address.

USDA GRANT DEADLINES

The following deadlines have been set for the USDA CSRS/Competitive Research Grants Program FY 1989:

Dec. 5 - Plant Genetic Mechanisms & Plant Molecular Biology; Dec. 12 - Photosynthesis; Jan 23 - Molecular & Cellular Mechanism of Plant Growth & Development; Feb 13 - Genetic & Molecular, Mechanism Controlling Plant Responses to Physical & Environmental Stresses; Mar. 6 - Biological Nitrogen Fixation & Metabolism.

To obtain a Grant Application Kit, please see Laura Kalisch in 305 AldH.

MYSTERY PLANT

Due to cold weather, the "mystery plant" was not placed in 305 AldH for identification. If it's warmer next week, Margaret will bring it in. Please check it out and help identify it.

PLANT PHYSIOLOGY JOURNALS AVAILABLE

Anyone interested in the purchase of library bound-quality *Plant Physiology* Journals from 1972-1988, please contact Dr. Wilkins.

RECENT SURGERY

Chris Mullin, son of Bob and Betty Mullin, is recuperating from surgery to remove cancerous lymph nodes from the vicinity of his kidneys. Full recovery is

anticipated following chemotherapy. Chris is a graduate student in physics at the University of California-Berkeley.

CARD FUND UPDATE

"Graduate students, your contributions to the card fund came to \$68.70. You're great! We've sent out about 20 cards since July, when the fund-raising began for graduations, baby births, retirement, sympathy, weddings, thank-you's and good-byes. We're set for the year. I thank you on everyone's behalf for your contributions. For anyone wishing to make a contribution, extra envelopes will be placed near the grad mailboxes."

Margaret Stahler

NEW KINKO'S POLICY

Kinko's Copies is attempting to avoid any copyright permission delays winter quarter. If you are planning on using Kinko's services, you can help make this attempt a reality by having your materials or a syllabus available for pick-up by Dec. 1.

If you are unable to meet this date, your copyrighted course material may not be available for students on the first day of class.

If you have questions regarding Kinko's service, you may contact Judy Olson at 623-0322. (This does not pertain to Beckwith Copy Center policy, which is the contractor for the front office.)

* * *

Have An Anxiety-Purging Week!

twig bender

Volume 6/#136/November 4, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON - Project Sunrise Seminar:
Ethics & Values in Food Safety Regulation, Policy, Arthur Caplan and Rolf Sartorius, 3-5pm, 110 SPSC

- Plant Breeding Seminar:
Multi-stage Selection Indices in Crop Improvement, 4pm, 306 AldH

- Mon. Night Discussion:
Keys to Successful Oral Examinations and Oral Communication: Sharon Desborough, 7pm, Midland Grove party room (intersection of Cleveland Ave. and Cty Rd B)

TUE - Monthly Faculty Mtg,
8:30am, 394 AldH

- Intergalactic Coffee Hour, Hosts: Rhoda Burrows and Evonne Kuyper, 2:30pm, 394 AldH Exit polls conducted upon departure.

WED - Environmental Physiology Journal Club, Paper Discussed: *Amelioration of Chilling Injury in Rice Seedling* By Mefluidide Crop Sci 27:531-4, Noon, 108 SPSC

- Wed. Seminar:
Investigation of the Pollen-style Interaction in Lilium longiflorum Thunb. Using Chlorotetracycline and Calcium Antagonists, Peter Velguth, 4pm, 415 AldH

- Plant Physiology Seminar:
Enhanced Symbiotic N₂ Fixation - Biochemistry and Molecular Biology, Pat Unkefer, 3pm, 335 Borlaug

FRI - Plant Cold Hardiness Discussion, Phil Allen, Noon, 398 AldH

* * *

Stats: Kitty Dukakis: 98.6⁰F

The Duke: 3%

More Stats: George Herbert Walker Bush: 10%

Arnold Schwarzenegger 87%

It is traditional for the press to endorse candidates at this time.

Well, to the delight of all concerned, Twig Bender follows the stellar example of the Washington Post and endorses no one.

Not that we don't feel like it, mind you. But weeklies have to be somewhat pompous to go about telling their readers who to vote for. The "Stribe," for example, devoted three issues to its rambling electoral crib sheet.

What Twig Bender endorses, frankly, is voting. With variations on democracy being introduced in all "corners" of the globe (i.e. the USSR, Phillipines, Chile), it's easy to forget that the good ol' U.S. of A. is the longest standing democratic institution in history. But that doesn't mean a heck of a lot unless it's electorate participate.

Please participate in the process.

This has been an alarmingly selfless, public-spirited message presented with no ulterior motive whatsoever, not even to point out to the boss that we could be late reporting to the office on Tuesday, what with it being Election Day and all. That is, it is within our rights to do so. And what with all the tough choices on the ballot this year (not to mention a tricky new procedure involving punch cards), it could take some time to emerge from the voting booth. But we wouldn't deliberately take our time getting to work. Even though it is within our rights to do so. Hmmm...we could probably even set the clock late... IS THIS A GREAT COUNTRY OR WHAT? - Ed.

* * *

INTERN YOURSELF

Q: "Would you please inform your minority students of the opportunity for internships in international development offered through the James H. Robinson Internship Program? Applications are available through the Office of International Agricultural Programs, 293 Coffey Hall. Please note the application deadline of January 31, 1989."

A: Yes.

P.S. Laura has full details

CONGRATULATIONS

Ron Serres passed his Master's Exam.

DO YOU WANT MONEY?

The Scottish Scholarship will give you money. For more information, see the notice in the back hall.

MUCIA INTERNSHIPS

This just in from a person who's too busy to sign her own name: MUCIA (good thing this isn't the radio or we'd have to pronounce that) internments, er, ships, are available to grad students. This means one simple thing: MORE MONEY IN YOUR POCKET. (If you haven't got pockets, you'll at last be able to run out and get some.) More info is posted on the grad board because *Twig Bender* doesn't want to take the time to go into it any further.

DO YOU WANT MONEY? PART TWO

Even more money is available! This time, exclusively to faculty (grads: don't be discouraged; remember Stockman's "trickle-down" theory). The University of Kentucky is seeking nominations for the position of Associate Dean for Extension and Associate Director of Cooperative Extension. This slot is "one of the most challenging and demanding in the College of Agriculture at the University of Kentucky." Need we say more? Please see Laura for even more intriguing details.

WHO IS CRAZY?

That is the question that was submitted to *Twig Bender*. Luckily, we have an answer. In fact, we have two. Our first nominee for public crazy is Carl Pollad, who defied logic and traded Blyleven to California this week. **BERT!** It's bad enough that the Twins are now

has-beens, but now the former glory-boys are being traded like cattle. With Bert serving as Twins spokesman all season, this trade seems like a slap in the face to the entire organization.

Our second candidate for Public Crazy #1 is none other than Mort Downey, Jr. This editor had the privilege of catching an episode of Mr. Downey's program last evening and Mr. Downey was doing nothing less than advocating the inhalation of cigarette smoke, for both chain smokers and second parties. Fine fellow, Mort. (By the way, the Mort Downey Jr. fan club is still soliciting members. See Steve Berman, a local disciple, for full details.)

Oh yeah, to get to the subject at hand (yes, it's about time!), all readers are invited to a self-described "anti-social event". Specifically, a screening of the movie *The Gods Must Be Crazy*. Horticulture elements of the film include (according to Myron, who takes full responsibility for this announcement): 1) Plant metabolites toxic to humans, 2) Plant by-product recovery from elephant sludge, 3) Terrorist usage and misuse of tropical landscape, 4) Graduate student struggles to analyze data (and life), 5) Bushmen discovering destructive plant processing with Coke bottle, and, finally, 6) Overseas opportunities for people like you!!

The End.

XMAS ANNOUNCEMENT

Twig Bender takes this opportunity to apologize to the majority of readers who take offense at the fact that we used the word "Xmas" instead of "Christmas". We also apologize to the rest of your for bringing up the this subject so early in the season, but we received a

Christmas announcement this past week and we are dutibound to print it at this time. Sorry.

Xmas (*there we go again*) wreaths are available from boy scout troop 17. See Martha in 305 or David Davis in 334 for orders. A "balsam bargain with red trim" is available for \$7.50.

Let the countdown begin: "It's only 52 days until Christmas." Looks like open season on shoppers from here on in. *Caveat Emptor!*

JEFF ROGUSKE SEZ

"Over the past six months an incredible amount of radioactive trash has built up in the 2nd floor radioactive waste pit. (*No problem - dump it in Boston harbor. - Ed.*) A waste pickup has been scheduled for Thr., Nov. 10. Any unclaimed, mispackaged material will be submitted to Boynton Health service labelled, 'Unknown Hazardous Radioactive Waste,' along with an appropriate list of 'approved abusers'. You know who you are."

NOW IN PRINT

Many things. Xmas catalogues, Republican position papers (finally), complaints to *Twig Bender...but*, far more significantly, "Vegetative and Reproductive Yield Components of Primocane-fruiting Red Raspberries," authored by Emily Hoover, James Luby, David Bedford and Marvin Pritts, in *The Journal of the American Society for Horticultural Science* 113:6, pp. 824-6.

* * *

Have A Presidential
Week...Year...
Administration...Realm?

twig bender

Volume 6/#134/October 21, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 24-28

MON- Project Sunrise Seminar:
Environmental Values,
Rolf Sartorius, 3-5pm,
110 SPSC

- Plant Breeding Sem:
*Genetics of Co-Evolution
and Host-Pathogen
Interactions*, Debby
Filler, 4pm, 306 Borlaug

- Mon Night Disc: *Use of
a Leaf Disc Assay to
Study Cold Acclimation
in Juvenile and Mature
Phases of Hedera Helix
L*, Joni Roust, 7pm,
Fireplace Rm, McNeal
Hall (after-session at
Wes & Ida Hackett's, 984
Lydia Dr., Roseville)

TUE - Venerable Coffee Hour,
Hosts: Edie Lurvey &
Betsy Lamb, 9:30am, 394
AldH (update on Emp.
Hirohito's health)

WED- Environmental Physiology
Journal Club: *Desiccation
of Axes of Phaseolus
Vulgaris During
Development Causes a
Switch From a
Development Pattern of
Protein Synthesis To a
Germination Pattern*
(Plant Phys. 70:1224-
1227), Noon, 398 AldH

- Wednesday Seminar:
*Influence of Cultural
Factors On In Vitro
Tulip Propagation*,
Charleen Baker, 4pm, 415
AldH

* * *

If Twig Bender knows anything, we know that you can't be too careful these days. With radon seeping up through our patented leather soles and into our delicate little bodies, we just can't emphasize safety too much. Experts tell us that 89 per cent of the things we do on a daily basis ARE CERTAIN TO KILL US. It's as simple as that.

For example, look what we're putting into our bodies: Red meat, formerly a staple of every American's diet, now promotes heart disease. (You can try to prevent this by taking aspirin, but aspirin erodes your stomach lining and will give you a stroke.) White bread may build strong bodies 12 ways, but it kills in 13. Even fresh fruit contains natural carcinogens. And despite what you may hear on television, consuming a high-fiber breakfast cereal does not guarantee immortality.

Living on a liquid diet? Bear in mind that too much coffee is bad for you. Sugary soda pop dissolves your teeth and promotes hypertension. Artificial sweeteners cause cancer. Alcohol reduces stress but its the third leading cause of death in the U.S. Of course, there's always Perrier. But even too much tonic water can be dangerous. Consider where that water is coming from. Ever hear about acid rain?

On the other hand, Tibetan monks have shown that a conservative diet can increase one's life expectancy. But who wants to spend the rest of his life eating yogurt? Yeech. Besides, all the Yoplait in the

world could not help these monks in their day to day struggle against the People's Army. Many are killed. So, what's the point?

Then, there's exercise. But even here, our illusions are shattered. When we were growing up, kiddie hero/health nut Roundhouse Rodney espoused going outdoors and playing on a daily basis. Claimed it was good for us. Guess again. Mr. Rodney expired in his running shoes. So did Jim Fixx. Ewell Gibbons, ditto. The list is endless.

Common sense tells us that exercise is bad for us. Nevertheless, fear-mongering has whipped up the national preoccupation with fitness to such a frenzy that favorite running paths continue to be peppered with bodies. Pat Miles, beware!

On a positive note, there's never been a better time for social forecasters. Medical terrorism is a growth industry. Hear the latest? Television is "eroding" our minds. That's right...clinical tests indicate that even "The Cosby Show" promotes brain tumors, and now that it's in syndication, viewers are dropping like flies. Don't believe it? Fine, go head: call the Surgeon General a liar!

There's no question about it. With modern day living, the odds are definitely in the Reaper's favor. Good Lord, whatever is a hysterically health-conscience individual to do?

(over)

Margaret Hibberd has one answer: "Safety Days," dedicated to nothing less than increasing YOUR LIFE EXPECTANCY, begins next week! Twig Bender urges all its readers to read the notice below as though your life depended on it. It probably does!

What else can you do? Follow these axioms: Get plenty of walking in but don't stray too far from the garden path. Button-up that overcoat and come in out of the rain. Call your mother once a week but don't talk to strangers. Read a good book but only with adequate illumination. Think in moderation and chew your opinions 32 times before swallowing.

Above all, follow the songsmith's adage and, "Don't worry! Be happy!" We're not kidding. Obsessive anxiety increases your risk of heart disease/brain tumor by 72 per cent! (Forget we said that.) As for Twig Bender, our staff is considering collective cryogenics. Look, if Walt Disney thought that freezing himself until every thing blows over was a good idea, why not look into it?

Whoops! The office Radon Meter just slipped into the danger zone! That settles it: we're reserving a seat in a man-size ice cube tray. See you in the year 2088! - Ed.

* * *

SAFETY DAYS

Mon & Tue
Oct 24 & 25
394 AldH

Beginning training 1-2:15pm
1) All undergrad employees not previously trained
2) New graduate students

Advanced training

2:20-3pm

For technical positions without Bachelor's degrees and anyone else interested. This is for those who have already had previous safety training in the department. Treats!

* * *

MYSTERY PLANT

Margaret Stahler needs help identifying a member of the lily family by genus and species. The plant in question will be on display in 305 AldH. A prize will be awarded for a positive I.D.

* * *

GET-TOGETHER PLANNED

Carol Wylie-Lentz is in town and there's a pot luck planned at Barb Fick and Chad Finn's place (1407 N. Cleveland Ave.). The date is Sun., Oct. 23, at 6pm. See Barb for details.

* * *

FREE SHEEPDOG

A beautiful, well-trained Shetland Sheepdog needs a new home. Grandma is moving to a senior citizen's apartment complex but her little dog is not welcome. This tri-color sheltie dog, Lady, is spayed, six years old, registered with the AKC and loves people. If interested, contact Marna in 290 AldH.

4TH FL LAB COORDINATOR

"Betsy Zimmerman has been appointed *coordinator-supervisor* of the 4th floor lab for the period of Oct 24 - Jun 30. Her appointment is for 10 hours per week and is being supported through departmental discretionary funds. I know that all who use the lab will cooperate with Betsy and that her active involvement will improve the overall productivity of the several ongoing activities there."

Jim Bartz

* * *

TABLE MISSING

"To whom it may concern: Please return the hospital table which was taken from F3. I still need to use it and have items stored within it. If anyone knows where it is now, please let me know so I can retrieve it. Thanks."

Margaret Stahler

* * *

Correction: When Twig Bender stated in this issue that overexposure to television causes brain tumors, we were incorrect. We merely meant that watching television has a debilitating effect similar to that of a brain tumor.

* * *

**Have A Relatively
Hazard-Free Week!**

twig bender

Volume 6/#137/November 11, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON - Plant Breeding Seminar:
An Evolutionary Approach to Potato Breeding, Fouzia Bani-Aameur, 4pm, 306 Borlaug

- **Monday Night** Discussion: *Super Sweet Corn (Sh2) Seed Physiology and Seed Handling*, Alicia Borowski, 7pm, Fireplace Rm, McNeal Hall; After session at Deb Brown's home, 1670 Rose Hill Circle, Lauderdale

TUE - Dept. Coffee Hour, 9:30am, 394 AldH, Hosts: Leonard Hertz, John Carter

WED - Wednesday Seminar: *Tropical Maize - A Potential Source of Useful Germplasm for Sweet Corn Improvement*, David Rubino, 4pm, 415 AldH

- Monthly MASLA Meeting, 6:30pm, 405 AldH (see below)

THR - Prelim Question Today

- Plant Physiology Seminar: *Regulation of Photosynthesis By Rubisco Activase*, William Ogren, 3pm, 335 Borlaug

FRI - Plant Hardiness Discussion: *Up-date On Screening for Drought Tolerance in Interspecific Hybrids Between Phaseolus vulgaris and Phaseolus*

acutifolius, Akil Petersen, Noon, 398 AldH

* * *

In case it slipped your notice, last week's Twig Bender was chock-full of computer-generated errors. For example, when we predicted that Michael Dukakis would be swept into Washington on a tidal wave of popularity, we meant to say that GEORGE BUSH would do that.

Further - when we stated that Rudy Perpich no longer harbored presidential aspirations, the Minnesota Daily was a class act, and that an academic scholarship would be established to honor Luther Darville - these were all misstatements originating with a computer virus affecting tabloids across the country.

So you see, we are entirely blameless in this instance. And since we can't be entirely certain that a virus will not strike again, misstatements could appear in subsequent issues. Heaven forbid, even this one! But rest assured - this will always be the fault of the computer - never our staff.

It is so wonderful being perfect!

- *Eddie Haskill, Editorial Intern*

* * *

WHAT IS MASLA?

For those intrigued by the Wed. calendar listing (above), the acronym MASLA stands for the "Minnesota Chapter of the American Society of Landscape Architects," which is having its monthly meeting Wed. in 405 AldH. Work by landscape architecture students will be on

display, beginning at 6:30pm, and at 7:30pm, Randy Hester will conduct a lecture entitled, "Fish Heads and Tails: The Role of Landscape Architecture in Community Development," at 7:30pm. Their announcement adds, "Refreshments will be served." It is not clear whether this will consist of the fish bits eluded to in the lecture but we hope not.

All we know for sure is that fish "rot from the head down," as anyone who's tiptoed along beach fronts this past summer can tell you. Fortunately for itinerant beachcombers across the country, more medical souvenirs (i.e. used syringes) are being washed ashore these days than unpleasant marine life, making seaside strolls less precarious for those of us who prefer to confine our confrontations with fish to weekly assaults against the frozen foods section of our neighborhood market.

* * *

TIME CARD REMINDER

Students' time cards for the Biweekly Payroll are due **Monday, Nov. 14.**

* * *

RESEARCH IN ISRAEL

The 1988 Postdoctoral Fellowship Program of the US-Israel Binational Agricultural Research and Development Fund is soliciting applications for scientists interested in researching in Israel for one year. For details, see notice in the back hall.

**NOTHING AT ALL
TO DO WITH ESPIONAGE**

Here's an opportunity to farm in Finland and make a few extra bucks penetrating neighboring Soviet territory for Uncle Sam. The "American-Scandinavian Foundation," in affiliation with "Mathias Rust Charters, Ltd.," is sponsoring a joint venture between our governments, er, "agricultural communities," in which students will work at host farms in Finland. Tasks may include harvest work, forest work, feeding and tending to livestock, milking dairy cows, helping with the gardening, and gun-running to neighboring dissidents. ("Just kidding."-Ed.).

The "mission," er, *program*, takes place next spring and summer. Amenities include free room and board, 1700 Finnish marks per month, and enough ammunition to defend yourself in event of a non-nuclear counter-insurgency.

In all seriousness, this program does not involve international hooliganism in any way whatsoever. It's simply a "farming program." Honestly.

If you don't believe us, we refer you to the public notice posted in the back hall entitled, "Farming Jobs in Finland". Do you see any reference to anti-Soviet espionage? No, of course not!

Of course, they wouldn't dare put it in print, would they?

* * *

**EVEN LESS TO
DO WITH ESPIONAGE**

The "Center for Alternative Crops and Products" and the "American Society for Horticultural Science" are sponsoring a nat'l symposium

entitled, "Commercial Field Production of Cut and Dried Flowers". It will be held Dec. 6-8 at the Ramada Hotel in St. Paul. Current University faculty and staff will receive a reduced rate of \$50. The rate for U of M students will be \$35. Contact Cathie Bergum at Extension Special Programs (625-2722) for further apolitical, above-board information.

* * *

**NEW
PEDAGOGICAL
STRATEGIES
FOR FUN & PROFIT**

The University recently received a grant from the Ford Foundation to integrate multiculturalism into introductory undergraduate courses. Twelve faculty will be given the opportunity to attend a summer workshop at which "new pedagogical strategies regarding gender and multicultural education" will be explored. (The first day of the workshop will be spent explaining exactly what that means.) Participating faculty will examine ways to incorporate these initiatives into their fall syllabi. As if further inducements were even needed, all participants will receive \$3,800 smackeroos, a \$200 book allowance, and research assistance. Do we have your attention at last? Good! See Laura Kalisch for more details.

* * *

LETTERS

Dear Sirs:

You are worthless, miserable wieners. I hate you, etc.

Sincerely,

Mort Downey, Jr.
Talk Show Guerrilla

(Reminder: Applications are still being accepted for membership in Mr. Downey, Jr.'s fan club. Isn't anyone interested? - Ed.)

*

Dear Sirs:

How dare you suggest that my son was responsible for the omission of information from a news item last week? (See "Twig Bender Errata, The Computer Did It," 11/08/88.-Ed.)

True, the boy **did** create havoc in the entire country's computerized infrastructure by mischievously sending an undetectable computer virus into its electronic bloodstream, but he isn't personally responsible for your own typos, Mr. "Hot-Shot Editor". (*sic*)

"Boys will be boys" and, besides, "Junior" has already apologized for his high-spirited prank. What's more, both the Missus and I believe our son did this country a great service by pointing out heretofore unanticipated flaws in its computer security system.

In light of the fact that the boy's already been sent to his room without his supper, we regard your blame casting as an unseemly example of irresponsible scapegoating.

We suggest that your writers stand in the corner until further notice.

Paternaly,

Robert Tappon Morris, Sr.
Computer Securities Expert
(Ret.)

* * *

Have An Undisciplined Week!

twig bender

ERRATA

THE COMPUTER DID IT.

If you've been following the news, you know that a virus has been affecting computers across the country. Robert Tappon Morris, Jr., son of a computer virus authority, sent an electronic community, demonstrating to all exactly how volatile communication in the Information Age really is.

Alas, Twig Bender was caught in the fray. That, and that alone, is the reason that the time and location was omitted from an announcement concerning a free screening of "The God's Must Be Crazy".

* * *

The missing information is as follows:

Date: Friday, Nov. 11
Time: 3-5pm

Place: 415 Alderman Hall

(Bring your own "junk food" - BYOJF.)

* * *

We hope you will consider attending. The film does remotely relate to "horticulture" (see current Twig Bender) and, besides, Myron will be dismayed if nobody shows up.

We hope these pesky viruses do not continue. We will be slapping Mr. Morris with a nasty little lawsuit in the near future. In the meantime, we hope to install the same security system on our software enjoyed by the defense industry. Mr. DeBower, our faithful troubleshooter, is on the phone with the boys at "Strategic Air Command" even as we speak. (Hope we can get it in Word Perfect 5.0!)

Anyway, we extend our apologies to our readers and, especially, Mr. Thornberry.

ifty fingerprint illustration
courtesy St. Paul Police

twig bender

Volume 6/#138/November 18, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Project Sunrise Sem.:
Nutrition & Nat'l Policy,
Rolf Sartorius, 3-5pm, 110
SPSC

- Plant Breeding Sem.: *Plant
Breeding Research in
Amaranths*, David Miller,
4pm, 306 Borlaug

- Mon. Night Disc.: *In vitro
Aesculus Root Growth and
Adventitious Bud
Formation*, Myron
Thornberry, 7pm, Fireplace
Rm, McNeal Hall

TUE - Dept. Coffee Hour, 9:30am,
394 AldH, Fernande
Rodgers & Wes Hackett

WED- Environmental Physiology
Journal Club, Paper
Discussed: Gomez, et al.
(1988), *A Gene Induced By
the Plant Hormone ABA in
Response to Water Stress
Encodes a Glycine-rich
Protein*, *Nature* 334:262-
264, Noon, 108 SPSC

- No Wed. Sem.

- Final Defense Seminar by
Cynthia Fellman,
*Gibberellic Acid - Induced
Asynchronous Organ
Development of Floral Buds
in Vitis sp. 'Swenson Red'*,
9:30am, 152 AldH

THR- Thanksgiving Holiday.
University Closed.

FRI - Thanksgiving Holiday.
University Closed.

* * *

LAST CHANCE

Faculty: One last chance to look
over spring quarter class schedule.

Stop by Evonne's desk before Nov.
23.

* * *

FILL IT UP

Drivers of dept. vehicles should
return the dept. vehicle with half
a tank of gas or more. Gas may
be obtained at any Amoco station
or the St. Paul farmshop. Thanks.

* * *

RESPIRATOR USERS

Any U of M employee who uses a
respirator in the course of their
work please take note of the
following:

"To remain in compliance with
OSHA regulations, all employees
wearing respirators must be fit
tested semi-annually and repeat
the pulmonary testing and medical
counseling annually. The
Department of Environmental
health and Safety will send out
notification of due dates to each
employee, with copies going to the
employee's supervisor. This notice
will include scheduling
information."

For more information, contact
Roger Meissner. Thanks.

* * *

HOW TO REACH ROGER

If you would like to get a hold of
Roger Meissner immediately, please
call his pager #621-1333 and leave
a phone # after the 3 short beeps.
Thanks.

* * *

THANK YOU

"We thank the people in this
department for expressing their

best wishes for our future
together."

Joni and Rick Stapfer

* * *

STUDY IN NORWAY

The Torske Klubben Fellowship
provides a scholarship for grad
students to study in Norway. A
stipend of \$500 per month is
provided for a minimum of three
months and a maximum of ten.
Deadline for application is March
24. See notice in the back hall
for details.

* * *

LIGHTS MISSING

A set of portable lights used in
Vicki Anderson's "video project"
is missing. Please let us know in
305 if you know the whereabouts
thereof.

* * *

AAAS FELLOWSHIP

The American Assoc. for the
Advancement of Science sponsors
six science and engineering
fellowship programs annually.
Both faculty and students are
eligible for these fellowships.
Five of the programs provide
opportunities for postdoctoral to
mid-career scientists and
engineers to work in Washington,
D.C., in areas of public policy as
they relate to science and
technology. The sixth program
targets student scientists and
engineers and involves them in a
summer program designed to
foster public understanding of
science. These Fellows work for
10 weeks as reporters, researcher
and production assistants at
media sites throughout the U.S.

Please see notice in back hall for details.

* * *

CHANGES IN BOTANY CURRICULUM

Introductory Taxonomy (Bot 3201) will be offered during spring quarter. Plant Cell, Tissue and Organ Development (Bot 5111) will not be offered this year. Plant Anatomy (Bot 3109) will be taught spring quarter.

New courses: Genetics and Molecular Biology of Yeast, and Nitrogen Fixation and Inorganic Nitrogen Metabolism in Plants (winter quarter). Symbiosis: Mycorrhizae and Other Associations (spring quarter).

Dr. Wick is teaching Bot 5141 (Plant Cell Biology) this fall; the course will be offered in alternate years. Drs. Gantt and Olszewski will offer Bot 8287 (Plant Molecular Biology) this spring; it is likely to be offered thereafter in alternate years.

* * *

HOUSE FOR RENT

Furnished, three bedroom house 4.5 miles from Campus in Roseville, Central Park School district (available Feb-Apr). For further info contact Dave Somers at 625-5769 (work) or 484-0716 (home).

* * *

POSITION ANNOUNCEMENTS

Ag. Agent for agronomy, soils, horticulture, farm management, pest management, etc. in Vernon County Wisconsin, U of Wis., Madison, WI.

Physical Science Aid, USDA/ARS/Midwest Area, temporary full-time position in a lab on the St. Paul Campus. Contact Jan Overton in 40 North Hall.

Res. Association (Postdoctoral)- Hort. Science - Potato Breeding, Dept. of Hort., North Carolina State Univ., Raleigh, NC.

Extension Assoc. Specialist or Specialist of Ornamental Horticulture, Dept. of Plant Sciences, Univ. of Arizona, Tucson, AZ.

Five members for an agronomic systems team at Clemson Univ., specializing in agronomic ecosystems, physiological ecology of crop plants, soil fertility, crop ecology and management, soil managements, Clemson, SC.

Asst. Prof. of Plant Molecular Biology, Dept. of Plant Science, Univ. of Delaware, Newark, DE.

Extension Specialist, Pest Survey and Detection Program, Dept. of Entomology, North Carolina State Univ., Raleigh, NC.

* * *

Have A Great Week!

twig bender

Volume 6/#139/November 23, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- No Plant Breeding Seminar due to ASA meetings.

- Monday Night Discussion: "Prelim Exam Question Disc.," (no further info available at press time)

TUE - Dept. Coffee Hour, 9:30am, 394 AldH, Host: Nawarat Chaisompongpan, Penny Aquirre (Celebrity Guest: Hirohito's personal physician)

WED- Wednesday Seminar: *Breeding Behavior of Solanum tuberosum, Group Chaeoence*, Fouzia Bani-Ammeur, 4pm, 415 AldH

THR - Plant Physiology Seminar: *Changes in Nonelectrolyte Permeability Related to Lipid-protein Interaction in the Plasma Membrane of Barley Root Cells*, Insung Chung, 3pm, 335 Borlaug

FRI - Plant Hardiness Discussion: *Stomatal Studies in Excised Leaves and Intact Plants of Phaseolus vulgaris and acutifolius*, Rainer Stahlberg (Dept. of Plant Physiology, Berlin Humboldt Univ.), Noon, 398 AldH

SAT - Holiday Open House Weekend (see news item below)

* * *

Twig Bender will not be flip this week owing to the fact that

our publisher is being held hostage by fun-hating terrorists. - Ed.

* * *

HOLIDAY OPEN HOUSE AT ARBORETUM

The open house takes place Dec. 3-4. Activities include: Festival of Trees on display (11am-3pm); Tours of the Festival of Trees display (1pm & 2:30pm); Strolling Carolers (1pm-2:30pm); Door Prizes (12:30pm-3pm); Film: "Mickey's Xmas Carol" (11:30am, 1pm, 2pm); For Kids: Make an angel to take home (11:30am - 2:30pm); Shopping in the gift shop and sale of fresh holiday greens and decorations (11am - 4pm); Class for Adults: "Making a Victorian Christmas Potpourri (1pm-2pm).

Sunday: Nancy Allison shows how to make holiday arrangements using fresh greens and flowers.

A gate fee of \$2 per adult is charged to nonmembers. For more info, call: 443-2460.

* * *

RSVP RE: DEC GARDEN PARTY

Everyone is encouraged to return the response cards for the Dec. Garden Party as soon as possible.

* * *

WORK AT FRANKS

Mon., Nov. 28, Bob McGovern will be interviewing people for the position of "Hort. Trainee". Mr. McGovern represents Franks

Nursery, Inc. (Detroit). They are hiring about 150 Hort trainees to staff their stores, soon to expand into the midwest. The interview takes place from 9am - 4pm in 152 AldH. (A sign-up sheet is in 305 AldH.)

* * *

CONGRATULATIONS TO LEONARD HERTZ

Congratulations to Leonard Hertz for being awarded the "North Central Region Award of Merit" by the IR-4 Technical committee. The award, says administrator John Patrick Jordan, recognizes Dr. Hertz's "long and valued commitment to a research program that is indispensable to American agriculture."

* * *

STUDENTS FROM CHINA, TAKE NOTE

The Association of Chinese Agricultural Students and Visiting Scholars is a newly formed, non-profit academic organization of students and scholars from the People's Republic of China. The group, aimed at encouraging collaboration and interaction among Chinese students, plans to hold its first conference June 24-25 at Cornell University.

For further info, please see the notice on the grad board in the back hall.

* * *

Have A Safe & Hearty Thanksgiving Holiday!

twig bender

Volume 6/#140/December 07, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

TUES Dept. Coffee Hours, 9:30am, 394 AldH, Hosts: David Davis & Shirley Munson

WED- Environmental Physiology Journal Club; Paper Discussed: S.C. Huber, et al. (1984), *Effects of Water Stress on Photosynthesis and Carbon Partitioning in Soybean (Glycine max [L.] Merr.) Plants Grown in the Field at Different CO₂ Levels*, Plant Physiol. 76:244-49; Noon; 108 SPSC

- Wednesday Seminar: *Screening Phaseolus vulgaris L. - Phaseolus acutifolius Gray Interspecific Hybrids for Drought Tolerance*, Akil Petersen, 4pm, 415 AldH

THR- Civil Service Staff Mtg, 10am, 398 AldH

FRI - Plant Physiology Seminar: *Recent Advances in the Understanding of Biotin-Containing Proteins of Plants*, Basil Nikolau, 3pm, 335 Borlaug

* * *

WELCOME

We welcome Holly Ward, our new "Word Processing Specialist," to the front office. Please stop by and say "hi!".

* * *

STAFF/FACULTY REMINDER

The candidate for the Environmental Horticulture position will arrive during the

month of December. Note the date and time of their seminars: H. Harrison (Dec. 14 @11am), M. Witt (Dec. 15 @3pm), and R. Hummel (Dec. 19 @ 11am). All seminars will be in room 415.

Also, a sign-up sheet will be available for each candidate, plus their vitae, in the front office. Their time on campus is as follows: H. Harrison (Dec. 13-14), M. Witt (Dec. 15-16), and R. Hummel (Dec. 19-20).

* * *

VOTE!

The Civil Service Awards Committee is meeting on Dec. 5 at 1pm to review nominations for the Civil Service Awards. *You still have time to nominate a deserving Civil Servant.* Forms in 305 AldH. See Kathy for details.

* * *

BROWN BAGGER

Pi Alpha Xi, a national horticulture honor society, invites you to a "brown bag" lunch at noon Dec. 19 in Room 415. They will serve punch and ice cream for dessert. At that time we will say, "See you soon!" to Dr. Wilkins.

* * *

FUNDING AWARDED

Wesley Hackett and Neil Anderson, along with Glenn Furnier and Carl Mohn, have been awarded funding via the McIntire-Stennis Cooperative Forestry Research project to conduct research in "Genetic transformation and micropropagation of Minnesota hardwoods".

Congratulations!

* * *

THESIS MISSING

Someone has borrowed Dr. Swanson's thesis from Harold Wilkins. Please return it ASAP. Thanks.

* * *

GSC APPOINTMENT

Bert Swanson is the new faculty member of the Graduate Studies Committee, replacing the departing Harold Wilkins. Congratulations, Bert!

* * *

NOW IN PRINT

New Publication: "Evaluating self-incompatibility in Chrysanthemum, the influence of ovule number," by N.O. Anderson, B.E. Liedl, P.D. Ascher, R.E. Widmer, and S.L. Desborough. In *Sex Plant Reprod.* (1988) 1:173-181.

* * *

MISSING FLORIST BULLETINS

Did someone pick up the bound volume of "MN State Florists Bulletin from 1978 to 1987"? It was delivered to Alderman Hall but no one knows what became of it.

* * *

CHRISTMAS WREATHS

Reminder: Boy Scout Christmas wreaths can be purchased from Dave Davis or Martha Piechowski.

POSITIVE I.D.

Marty Stahler's "Mystery Plant" has been correctly identified by Deb Brown. It's a "Crinum Lilly," a member of the "Amaryllis" family.

* * *

TRAVELING TO ARB?

Arboretum-bound next week? Sonja Maki would like a sweatshirt exchanged for a larger size at the Arb gift shop. Please contact her if you are going that way soon and if you would be able to help.

* * *

MISSING LAB CARTS

Where, oh where have our lab carts gone? The 4th floor lab is missing two rolling carts. They are needed there many times each day. If you have them, please bring them back!

* * *

NEW PUBLICATION

Cecil Stushnoff, former staff member, and Jeannette Stushnoff have published an excellent record-keeping guide for fruit and vegetable growing entitled, *Prairie Garden Notebook*. It includes do-it-yourself diary entries, recommended varieties, trouble-shooting charts, concise & easy-to-follow instructions for planting, maintenance & harvesting, and other useful tips.

Please see Laura in 305 to review a sample copy. (You may order through the office, @\$6 per copy.)

* * *

Have A Great Week!

twig bender

Volume 6/#141/December 09, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

ON DEC. 13

DOTTIE LAMOUR?

TUE - Faculty Mtg, 8:30am, 394 AldH

- Department Coffee Hour, 2:30pm, 394 AldH, Hosts: Nancy Hinrichs & Florian Lauer

FRI - Why Twig Bender Isn't *Any Better Than It Is* (Lecture/Apology by J. Hopkins), 6am, 305 AldH

* * *

SINGLE QUARTER LEAVES

Single Quarter Leave application for the 1989-90 fiscal year will be due on Jan. 18 to the COA office. To note single quarter leave policy, please see Laura in 305.

* * *

YOU CAN MAKE A DIFFERENCE

If anyone sees a hydromat contact lens cleaner with blue contacts in it - please return it to Laura Kalisch so that she can see.

* * *

MRS. FRED KRANTZ

We regret to report the passing of Mrs. Fred Krantz on Dec. 7. Katherine Kranz was a "second mother" to many grad students in horticulture. (Fred Krantz was a horticulture professor for 30 years.)

* * *

TIME CARDS WILL BE DUE

Time cards will be due on Dec. 13.

* * *

STAFF/FACULTY REMINDER

The candidate for the Environmental Horticulture position will arrive during the month of December. Note the date and time of their seminars: H. Harrison (Dec. 14 @11am), M. Witt (Dec. 15 @3pm), and R. Hummel (Dec. 19 @ 11am). All seminars will be in room 415.

Also, a sign-up sheet will be available for each candidate, plus their *vitae*, in the front office. Their time on campus is as follows: H. Harrison (Dec. 13-14), M. Witt (Dec. 15-16), and R. Hummel (Dec. 19-20).

* * *

IMPORTED DEADLINE

Deadline for Fall Qtr grades to be handed into Evonne by Dec. 13 at noon.

* * *

ALEXANDER PEMBERTON IS BORN

Brent Pemperton (former student of Harold Wilkins) and his wife had a 11 lb. baby boy on the evening of Dec. 5. They've named him Alexander. Congratulations!

* * *

WILL SHE BUMP INTO

Fouzia Bani-Ammeur will embark upon the road to Morocco on Sat., Dec. 10, having gotten as much knowledge out of the University of Minnesota as could reasonably be expected. We wish her the best of luck. (Fouzia: if you run into Hope & Crosby, kindly relay our regards.)

According to Bob Hope, the Moroccan desert is "the place where they empty all the old hour-glasses." That's a very funny line. Think about it for about thirty minutes.

* * *

YOUR EFFORTS DID NOT GO UNNOTICED

Many thanks to Myron Thornberry and Patti Doyle for the swell Xmas party they organized. Thanks are also extended to Sue Bigelow and the Hort Club for the array of flowers which were contributed for the occasion. *There's a flowery sentence for ya.*__

Thanks also to the many people who supplied food.

* * *

GENERIC HEADLINE (PAT. PEND.)

Faculty are encouraged, rather strongly, to turn in their progress reports to Vicki as soon as possible. The deadline is past and the wheels of bureaucracy are at a standstill. Turn them in, please. Oh, alright. . ."pretty-please, with sugar on top."

* * *

**NOMINATE THE TWIG
BENDER EDITOR**

Nominations for the "splendiferous" (TM, Dairy Queen Inc.) civil service award are still being accepted, and will be until somebody is nominated (or Dec. 12, whichever comes first). If you'd like to profoundly influence the morale of some down-trodden civil servant, turn in your nomination to either Kathy Lloyd or Peter Moe, who will doctor the results to reflect their own prejudices (just kidding about that). It really is serious business, and Kathy and Peter will welcome your input. (If you inspect the masthead of this publication, you will see the name of a potential candidate.)

* * *

**FORECAST:
SIGNIFICANT HEARING LOSS**

A memorandum has reached the Twig Bender cadenza which includes the ominous words, "Fire Alarm Testing With Horns." That's right: time to be subjected to the seemingly bi-weekly grating sight and sound show (minus the "sight") brought to you totally free of charge by the good people from physical plant. The audio barrage takes place Dec. 16 & 19. Enjoy.

* * *

**Have The Best
Gosh-Darn Week
Of Your Entire Life!**

Really.

twig bender

Volume 6/#142/December 16, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Candidate Seminar (for Env. Hort. position), Dr. Rita Hummel, 11am, 415 AldH (see item below for details)

- Brown Bag Lunch (with punch and ice cream): Farewell to Dr. Harold Wilkins, Hosted by Pi Alpha Xi (National Floriculture/Ornamental Horticultural Honorary Committee), Noon, 415 AldH

- Seminar: *Quantifying Vegetative Euphorbia Pulcherrima Growth As Controlled By Temperature And Irradiance*, Carole Zakkour, 2pm, 394 AldH

WED- Brown Bagger Slide Show: Dr. Reine Stahlberg Speaks On The City of Berlin and Berlin University, Noon, 398 AldH

* * *

CANDIDATE SEMINAR

The last candidate for the Environmental Horticulture position, Dr. Rita Hummel, will be here Dec. 19 and 20, (Monday and Tuesday). The date and time of her seminar is Dec. 19 (Monday) @11am in 415 AldH. Also, a sign-up sheet will be available in the front office for an individual interview of the candidate, plus a *vitae*.

* * *

BRAND NEW DE BOWER

Lisa and Mark DeBower became the proud parents of a beautiful baby girl, named Anna Michelle,

on Sat., Dec. 3. Lisa measured 19-1/2 inches and weighed 7 lb 1 oz.

Congratulations to all three of you!

* * *

BRAND NEW MC NEAL

Rebecca and Ken McNeal welcomed their second child into the world shortly before press time. The baby girl is nameless for now (they had chosen all boy names). The newborn is 9 lb 9-1/2 oz. and 21 inches long.

Congratulations!

* * *

BRAND NEW DEGREE

Marcy Taylor received her Masters degree on Dec. 15, 1988. Best of luck, Marcy!

* * *

UPCOMING APPLE GROWERS CONVENTION

The Minn. Apple Growers Assoc. and the Minn. and Wisc. Extension Services Apple Growers Convention and Fruit School takes place Jan. 4-6, 1989, and the La Crosse Ctr and Radisson Hotel in La Crosse, WI.

Please contact Chad Finn for more info.

* * *

MISSING TUPPERWARE

A small (3" dia.) Tupperware bowl is missing (it has a tan lid). If you know of it's whereabouts, please contact Holly (if you know of her whereabouts). (Alright, here's a clue: she's located in 305

AldH. We don't know where the bowl wound up. . .that's the point, really.)

* * *

INCREASED MAIL SERVICE

Here's good news: there will be an improvement in campus mail delivery & pick-up. Beginning soon (before Jan. 1) campus mail will be delivered/picked-up twice a day (no specific delivery times available as *Twig Bender* goes to press).

* * *

TRANSIT SERVICES

There are two services available through University Transit Services which readers may be unaware of: a charter bus service and an inter-office bus service.

The charter service offers U dept's and org's an economical way to charter four types of buses, from mini-buses to luxury coaches. (To arrange a charter, phone 625-7800.)

The Inter-Office Shuttle Bus runs from both campuses past 1919 University and back again. It stops near several off-campus offices located along University Avenue and provides hourly service to all stops from 8am-5pm, M-F.

For more info, phone U Transit Services at 625-9000.

* * *

Have A
Holidays-Bracing
Week!

twig bender

Volume 6/#143/December 22, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- University Holiday

FRI - University Holiday

* * *

CONGRATULATIONS CAROLE

Carole Zakkour successfully completed her Masters Program. Congratulations!

* * *

BABY BOY

Lingling and Boyang Chu had a baby boy, Xinjei, on Dec. 16. The child weighed-in at 7 lb. 13 oz. Congratulations to all three!

* * *

BABY GIRL

Becky and Ken McNeil had a baby daughter, named Keelan Alexandra, on or about Dec. 16. Keelan weighs 9 lb and 9-1/2 oz and measures 21 in. Congratulations!

* * *

AWARD GRANTED

Ok Young and Ed Stadelmann have both received an "Award for Outstanding Achievements in Cooperative Research and Teaching" by the Committee of Science and Technology of the Government of the Hebei Province. Congratulations!

* * *

ANOTHER AWARD

Harold Pellett received a grant in November from the Horticultural

Research Institute for his work in evaluating flowering shrub cultivars for adaptability in the Upper Midwest. Congratulations!

* * *

WORD OF THANKS

Thanks from everyone in 305 AldH to all the considerate folks who provided us with treats, etc. this Christmas season. They are most appreciated.

* * *

FORMS OVERDUE

Dept. Evaluation Forms were due Dec. 16. If you haven't turned yours in yet, please bring them to Holly in 305 AldH immediately. Thank you.

* * *

NEW PUBLICATION

Joan Iverson Nassauer has a new article in the Dec. issue of *HortScience* (Vol. 23, p. 973-7. It's entitled, "The Aesthetics of Horticulture: Neatness as a Form of Care".

* * *

**Merry Christmas
To Our Cheery Readers!**

twig bender

Volume 6/#144/January 29, 1988
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JAN 2-6, 1989

MON- New Years Holiday.
University closed.

TUE - Wtr 89 Qtr Begins

* * *

GOT A BRAND NEW GIRL

Julie O'Leary and her husband Frank Whiteman had a baby girl on Dec. 23 at 10am. Her name is Elizabeth Porter Whiteman. Elizabeth weighed-in at 6 lb 14 oz.

* * *

TRAYS AVAILABLE

To whom it may concern: the Hort Shop will start the next manufacturing run of redwood and mesh autowave trays at the beginning of February. For the sake of efficiency, Dave Olson is calling for all those interested in such items to get their order in for same by Jan. 25th. Approx. cost will be \$15/copy.

* * *

NEW PUBLICATION

Just published: Brian E. Corr and Richard E. Widmer, "Rhizome Storage Increases Growth of Zantedeschia elliottiana and Z. rehmannii," *HortScience* 23(6):1001-1002. (Dec. 88).

* * *

Have A Great Week!

twig bender

Volume 7/#1/January 6, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Soil Sci Sem: *Life Without Water: A Discussion of Anhydrobiosis in Nematodes*, Monica Wallace, 3pm, 375 Borlaug

TUE - Monthly Faculty Meeting, 8:30am, 394 AldH

- Graduate Faculty Meeting (immediately after above mtg). Purpose: to consider A. Smith for associate status and E. Hoover, C. Rosen and J. Sowokinos to full graduate faculty status.

- Department Coffee Hour, 2:30pm, 394 AldH (no one is signed out for treats, please bring some if so inclined)

WED- Wed. Seminar: *Gibberellin Metabolism During Fruit Development of Pisum Industry - Education and Regulation*, Sonja Maki, 4pm, 415 AldH

THR - Plant Physiology Seminar: *Structural and Functional Alterations of Plant Cell Membrane During Pathogenesis: Case History-Hypersensitive Reaction to Plant Pathogenic Bacteria*, Anton Novacky, 3pm, 335 Borlaug

* * *

STUDENT TIME CARDS

Please note that students' time cards will once again have an early due date - Tue., Jan. 10.

* * *

DISCUSSIONS IN INCOMPATIBILITY

Those interested in attending the incompatibility discussion group (HORT 8061), please fill out and return the planning schedules placed in your mailbox. Return them ASAP to Pete Ascher or Rick Harrison.

* * *

PARKING

Please refrain from parking in between the greenhouse ranges during the winter months.

* * *

JUST MARRIED

Guess who got married on New Year's Eve, Dec. 31, 1988 at 11am?

Mike Heim (grad student) and Louise Schoborg (June, 1988 - B.S. in Hort.)

Congratulations!

* * *

FUNDING AWARDED

Pamela Sanders has been awarded UROP funding for the project, *Use of Interspecific Grafts to Test the Contribution of Root Systems to Drought Tolerance*, which is to be completed under the direction of Dr. Markhart.

* * *

AWARDS RECEIVED

Congratulations to Ed and Ok Young Stadelmann for receiving awards for "Outstanding Achievement in Cooperative

Research and Teaching" from the committee for Science and Technology, Hebei Province, P.R.C.

* * *

FRENCH FRY TESTING

Shirley Munson needs help in running french fry testing panels during this quarter. Student employees looking for extra hours should contact Shirley in 362 AldH. Thanks.

* * *

PLANT RELEASE COMMITTEE

The Annual Horticultural Plant Release Committee will meet at 1:30pm on Fri., Jan. 20 in 394 AldH. Questions? Please see Dave Davis.

* * *

CROPS & SOILS PLANNING CONFERENCE

A Crops and Soils Planning Conference will take place during Jan 17-18 in 335 Borlaug Hall. The theme for this year's conference is the research agenda for Ground and Surface Water Quality, a topic of high public interest and concern. The program includes presentations from several important perspectives both within and outside, but related to, the agricultural industry.

* * *

THANK YOU!

"I would like to commend and thank Fred Rozumalski, Michael Heim, and Akil Peterson who

served so ably as teaching assistants in Hort 1010, 1021 and 1100. Their excellent performance was a great help to me in getting through a very busy and difficult quarter."

Bob Mullin

* * *

LANDSCAPE PHOTO EXHIBIT AT ARBORETUM

"Built Landscapes: Gardens in the Northeast" will be on exhibit at the Arboretum from Jan. 2 - Mar. 1, 1989. The exhibition presents garden designs by five nationally recognized American landscape architects, Beatrix Farrand, Fletcher Steele, James Rose, A.E. Bye, and Dan Kiley. Through large format color and black and white photographs, and garden plans, the exhibition demonstrates the distinct garden design philosophies and practice of these distinguished designers.

For more information call the Arboretum at (612) 443-2460. The exhibit is open to the public from 8am-4:30pm weekdays, and from 11am-4:30pm weekends. There is a gate fee of \$3 per adult, children under 16 yrs. are admitted free with a parent.

* * *

NOTE: RESEARCH & TEACHING ASSTS

Payroll is going to issue new W-2's on which there will be no fringe benefit deduction for tuition waiver. We should get them in about a week, so do not file your return until then.

* * *

SINGLE QUARTER LEAVE

"We hope all faculty will give serious consideration to the opportunities provided under the

University of Minnesota's single quarter leave policy. This all-University competitive program is a special privilege afforded to tenured and probationary faculty and we are eager to see many of our faculty on the list of those who will receive all-University recognition for participating.

"Single quarter leave instructions and policies for next year (7/1/89-6/30/90) were provided in a Dec. 6 memo from Vickie Mikelonis, Chair of the Faculty Development Committee. As a brief reminder, the original and nine copies of the application are due to the attention of Deb Cran in the College Office no later than Wednesday, Jan. 18."

Laurie Hays
Keith Wharton

* * *

TRAVEL OPPORTUNITIES THRU ARBORETUM

The Arboretum will host two exciting tours to Europe in 1989. Mervin Eisel, longtime Arboretum staff member, will lead the Arts and Flowers tour of Holland, Belgium, and West Germany, Apr 24-May 3. This tour will explore the unique horticultural and artistic contributions that Holland, Belgium, and West Germany have made to the world. The tour will spend two days seeing the lovely old city of Amsterdam and its fine art museums, and a third day in the flower fields of Holland's bulb-growing district.

The tour then continues to the Hague and Westbroekpart, the famous rose garden where the Rose of the Year is chosen. En route to Bruges, Belgium, visit the Royal Delft Blue Pottery factory and a garden restoration based upon Ruben's paintings.

After enjoying the medieval cities of Bruges and Ghent, rich in art

and history, the tour will go to Brussels, the capital city. From Brussels, a full day excursion will visit some of Belgium's most lovely homes and gardens, including three chateaus set in landscaped gardens representing different styles and periods.

If possible, participants will see the Belgian Royal Greenhouses before setting off for a night in a castle in West Germany. One more day will be spent seeing Het Loo Palace, the beautiful former residence of the Dutch royal family, before returning to Amsterdam to fly home. Cost is \$2,595 per person, double occupancy.

A preview of the Arts and Flowers tour of Holland, Belgium, and West Germany presented by tour host Mervin Eisel on Jan. 22 at 1:30pm in the Arboretum's Snyder Bldg auditorium. Eisel will show slides of some of the places that will be visited.

From Sept. 15 to 26 the English Gardens and Homes of England tour will be hosted by Arboretum director Peter Olin. The tour will visit the Royal Botanic Gardens at Kew, several gardens landscaped by William Kent, the recently restored Painswick Rococo Garden, the Royal Worcester Porcelain Factory, and more. Tour price is \$3,475.

An information session about Arboretum travel tours will be held Jan. 29 at 1:30pm in the Snyder Building auditorium. Tour hosts and tour company representatives will be on hand to answer questions and give you the latest information on these unique travel opportunities.

For even more info, contact the Arboretum at 443-2460.

* * *

Have A Great Week!

twig bender

Volume 7/#2/January 13, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture

305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

JAN 16-20

see D. Davis for more info)

HOW TO REACH DR. WILKINS

MON- Martin Luther King Jr.'s Birthday. National Holiday. University closed.

* * *

PRELIM QUESTIONS

Prelim Questions will be given on Feb. 9 and Apr. 6.

TUE - Dept. Coffee Hour, Hosts: Nancy Hinrichs, Charleen Baker, 2:30pm, 394 AldH (coffee hours will be held at 2:30pm from now on)

* * *

HELP WITH COFFEE HOURS NEEDED

WED- Grad Studies Cmte Mtg, 10am-Noon, 394 AldH

Wanted: One able-bodied person to help Evonne with Tue. Dept. Coffee Hours. Apply in 305 AldH.

- Wednesday Seminar: *Lawn Service Industry, Education and Regulation*, Dave Martin, 4pm, 415 AldH

* * *

GSC MTG SCHED FOR WTR QTR

THR - Plant Physiology Seminar: *Transgenic Soybean Plants and Their Progeny Obtained Through Electric Discharge Particle Acceleration*, Paul Christou, 3pm, 335 Borlaug

Jan. 18	10-12	394 AldH
Feb. 1	10-12	398 AldH
Feb. 15	10-12	398 AldH
Mar. 1	10-12	398 AldH
Mar. 15 (maybe)	10-12	398 AldH

* * *

WORK AT CHICAGO'S BROOKFIELD ZOO

FRI - Master's Seminar and Defense: *A Predictive Formula For Estimating Optimum Progeny Size in Plant Breeding Programs*, Frank Treadwell, 9am, 415 AldH (all welcome)

The Brookfield Zoo is offering two work-study positions in horticulture. The positions are designed to offer experience with: Plant and water annuals, prune shrubs, revitalizing a native prairie community, mowing and fertilizing lawns., dividing perennials, and more. The period of involvement will be May 15 - Aug. 4. Deadline for application is Apr. 1.

A notice is posted in the front hall.

* * *

Dr. Harold Wilkins' new phone number is (415) 726-3321. (He asked that this be posted here.)

* * *

ARBORETUM VOLUNTEERS SOUGHT

If you enjoy flowers or like working with people, consider becoming a volunteer at the Minnesota Landscape Arboretum. A general information session about volunteer opportunities will be presented on Jan. 19 from 8:30am-Noon (storm date - Jan. 26) in the Snyder Bldg. Aud. Volunteers are needed as tour guides, garden maintenance assistants, teachers for the children's program, research assistants, and in the library, tearoom, gift shop, and membership office.

Call 443-2460 to register for this session. The Arboretum is located near Chanhassen on State Highway 5, about ten miles west of Interstate 494.

* * *

GOLD LABELING WORKSHOP VIDEOTAPE LIBRARY

- Plant Hardiness Discussion: *Gordon Research Conference-Temperature Stress in Plants*; M. Bartolo, J. Carter, N. Chaisompongpan, P. Li, A.H. Markhart; Noon; 398 AldH

All of the Minnesota Electron Microscopy Society (MEMS) April '88 Gold Labeling Workshop lectures and laboratory sessions were videotaped onto 4 VHS video cassettes. The total viewing time is about 13 hours. A syllabus includes a description of topics covered on each tape and an index used to locate the

- Annual Hort Plant Release Cmte Mtg, 1:30pm, 394 AldH (please

beginning of each lecture or lab.

A set of tapes is available for viewing at the following locations:

* Tapes may be viewed on a color TV monitor in the Plant Pathology Library, 395 Borlaug Hall. These tapes do not circulate and may not be checked out.

* Tapes may be checked out from the following location: Electron Optical Facility, 10 Christensen Hall (formerly Plant Sciences), 1515 Gortner Ave. Contact Gib Ahlestrand at 625-8249 for info.

The tapes contain a wealth of good information. All researchers and microscopists doing gold labeling or planning to begin labeling experiments are encouraged to make use of this valuable resource maintained by MEMS.

* * *

ATTN: GRAD ASSISTANTS!

COGS (Council of Grad Students) and GAO (Grad Assistant's Office) are interested in hearing your questions and concerns regarding your assistantship appointment. They will be scheduling a meeting late this term where you may voice your opinions. After receiving this valuable input, the two groups hope to establish more concrete guidelines for assistantships. See your COGS rep, Alicia Borowski, for more details.

* * *

Have A Good Week!

twig bender

Volume 7/#3/January 20, 1989

Editor: Jay Hopkins

JAN 23-27

DATES & TIMES

MON - Mon. Night Disc.:
*Assembly/Disassembly
Purification of Plant
Tubulin*, Marna Erickson,
7pm, Fireplace Room,
McNeal Hall

WED - Wed. Seminar: *Disposal of
Agricultural Pesticides*,
Matthew Zabic (visiting
prof., Michigan State),
4pm, 415 AldH

THR - Plant Physiology Sem.:
*Effects of Cell Wall
Absorption and Root Cell
Exudation on Nutrient
Availability*, Deborah
Allan, 3pm, 335 Borlaug

FRI - Plant Hardiness Disc.:
*Effects of Hydration-
Dehydration Cycles on
Seed Germination of
Perennial Ryegrass*, Phil
Allen, Noon, 398 AldH

* * *

MEET VISITING PROF

Anyone wishing to visit with Dr. Matthew Zabic, who will be visiting from Michigan State and giving a lecture on Wednesday (see calendar item above), is welcome to schedule meeting time by way of the sign-out sheet located on the counter in the back hall. Dr. Zabic works with Michigan's "Pesticide Research Center," and will be available between 10am and 4pm.

* * *

LISA CALLS

The North Central section of the Low-Input/Sustainable Agriculture

(LISA) has recently put out a call for proposals. Proposals must be submitted by March 15th, 1989. Priority issues include: developing economically competitive low-input crop and livestock systems, developing strategies for converting from high-input to low-input systems, and facilitating adoption of LISA technologies. Contact Kent Crookston in Agronomy for a copy of the CFP.

* * *

THANKS

"Thank you all so very much for the beautiful Cyclamen plant and for the cards and visits which brightened my hospital stay. Although disk L₅S₁ is no longer with me, the rest of me is glad to be back. Your support and concern since my return has also been very much appreciated. Thanks again."

Jim Calkins

* * *

WE NEED OUR SPACE

Please refrain from using the back hallway when the mail is being distributed. The area is too small for us to be dodging people as we attempt to provide one of the services assigned to the office. The mail will be distributed faster and the office staff will be happier if the courtesy is observed. Thank you for your assistance.

* * *

CANDIDATE WITHDRAWAL

Keith Wharton has withdrawn his name from the list of candidates

being considered for the position of Dean of the General College.

* * *

HELP JUDGE STRAWBERRIES

Shirley Munson is looking for 12 people to judge strawberries. This is part of Margaret Stahler's research study. If you can participate, please sign up in Room 369 giving your name, contact place, and available time.

* * *

LAB ASSISTANCE DESIRED

Shirley Munson is still looking for a student to work in the lab a few hours a week this winter quarter. If you know of someone, please have them stop by 362 AldH.

* * *

GAS SHUTDOWN

Gas supply to Alderman Hall will be shut down on Tuesday between 9am and 4:30pm. Please notify Physical Plant Operations (Roy Thompson @625-1540) if there is a reason important enough to reschedule this shutdown.

* * *

Have A Presidential Week!

twig bender

Volume 7/#4/January 27, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES & TIMES JAN 30-FEB 3

- MON** - Soil Science Seminar: *Applying Soil Physics to Horticulture*, Robert Ewing, 3pm, 375 Borlaug
- Plant Breeding Seminar: *Approaches to Mapping Quantitative Trait Loci Using RFLP Markers*, Shawn M. Kaeppler, 4pm, 306 Borlaug
- Monday Night Discussion: *Prelim Question Discussion*, 7pm, Fireplace Room, McNeal Hall
- TUE** - Dept. Coffee Hour, 2:30pm, 394 AldH, Hosts: Wes Hackett, Jeremy Treadwell
- WED** - Wednesday Seminar: *Pesticides - The Regulation Process*, Dave Noetzel, 4pm, 415 AldH
- THR** - Environmental Physiology Journal Club, Disc. Leader: Bud Markhart, 1pm, 108 St. Paul Student Center (See Hardiness Lab Bulletin Board for paper being discussed)
- Plant Physiology Seminar: *Plant Genetic Control of Nodulation in Legumes*, Peter Gresshoff, 3pm, 335 Borlaug
- FRI** - Plant Hardiness Disc.: Continuation of Discussion of Gordon Research Conference, Noon, 398 AldH

* * *

MARK YOUR CALENDAR

The Kermit Olson Memorial Lecture and Student Awards will

take place Feb. 16, 7:15pm, in 135 Earle Brown Center. The guest lecturer will be Dr. Robert E. Lyons, who will speak on "Aspects of Horticultural Photography". There will also be a photography exhibit entitled, "Flowers and Other Colors". Please mark your calendars now so that you won't forget.

* * *

STRAWBERRY TASTE PANEL

We need 12 tasteful individuals with discriminating palates to shape the destiny of strawberry production in Minnesota and contribute to a scientific endeavor!

Panelists are trained by panel leaders and your input is encouraged and needed. Time required is 30-45 minutes, two times a week, for about four weeks. Besides, it's a chance to learn new skills, make new friends and have some treats. It's fun! Strawberries taste good. Who at this time of year couldn't use an infusion of summertime?

Sign-up in Shirley's Lab. Thanks.

* * *

PETITION

A petition concerning the gym facility is posted on the Civil Service Bulletin Board. Please review and sign, if so inclined.

* * *

ISA CONFERENCE

The Arboricultural Research and Education Academy invites paper and poster presentations for the International Society of Arboriculture annual conference. Please see notice posted in the back hall.

OFFICE FURNITURE EXCHANGE SOUGHT

Ok-Young Stadelmann needs a two-drawer file cabinet, and would like to exchange a three- or four-drawer cabinet for one. If anyone can arrange a swap, please let her know at 624-1466. Thanks.

* * *

UPCOMING VALENTINE'S DAY SKIT PARTY

Date: February 14, 1989

Time: 3pm

Place: To be determined

Bring: Treats - things to share (preferably food)

Theme: Floral - Spring - Flowers

What to wear: Your favorite or most obnoxious floral outfit

You will see: "Obnoxious floral outfits, people making fools of themselves, and, if you're lucky, some sort of talent" (as submitted, no need to accost editor - ed.)

Talk to: Mary Stuart or Nancy Hinrichs if you are interesting in performing.

* * *

GARDEN DESIGN LECTURE SERIES

Creating and planting garden spaces will be the focus of "The Art of Specialty Gardens," a five-part lecture series during Feb. and Mar. being cosponsored by the Landscape Arboretum and the Minnesota State Horticultural Society. Noted authors, lecturers and horticulturists will illustrate and discuss designing your garden spaces, selecting plants for northern gardens, using garden structures, and building and planting a garden for year-round beauty and enjoyment.

The cost per day is \$18 for Arboretum and Horticultural Society members, \$22 for nonmembers, which includes lunch and handout materials. A series ticket is available at \$80 for members, \$95 for nonmembers. Registration is limited.

For more information or a brochure call 443-2460.

* * *

POT LUCK FAREWELL

Please join the farewell pot luck for Drs. H.J. Chung and I.S. So on Wed., Feb. 1 in 435 AldH. The sign-up sheet can be found in the hall across from the mail boxes.

* * *

MIMOUN MOKHTARI WRITES

Mimoun Mokhtari sends salutations from UCLA-Davis. He's planning to take six courses and do research-work during the 6 to 7 months of training. Again, he sends his best wishes.

* * *

TRAVEL GRANTS

ASHS Student Travel Grants for the 1989 ASHS Annual Meeting, Jul. 30 - Aug. 3, Tulsa, Oklahoma, are posted of the grad board in the back hall.

* * *

Have A Great Week!

twig bender

Volume 7/#5/February 3, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES FEB. 6-10

MON - Plant Breeding Seminar:
Approaches to mapping quantitative trait loci using RFLP markers, Shawn M. Kaepler, 4pm, 306 Borlaug

- Monday Night Discussion:
Use of Transgenic Plants to Study Auxin Regulation of Fruit Growth, Wang Fei, 7pm, Fireplace Room, McNeal Hall

TUE - Senior Seminar: *A Historical Perspective on Orchid Tissue Culture*, Margaret Shore, Noon, 415 AldH

- Departmental Coffee Hour, 2:30pm, 394 AldH, Laura McCann & Martha Piechowski, hosts

WED - Project Sunrise Leadership Seminar: *The Meaning of Leadership*, Barbara Crosby & Kirk Millhone, Noon - 2pm, 306 Borlaug

- Wednesday Seminar: *Pesticide Risk: Perceptions and Ethics*, Rolf Sartorius, Project Sunrise Consultant on Ethics, 4pm, 415 AldH

THR - Senior Seminar: *Marketing of Environmental Plant Materials*, John Landsburg, Noon, 415 AldH

- Environ. Phys. Journal Club, Paper Discussed: Sugars and Desiccation Tolerance in Seeds by Koster and Leopold, Plant Phys. 88:829-832, 1pm, 108 St. Paul Student Center

- Plant Physiology Seminar: *Characterization of Auxin Receptors*, K.R. Libbenga, 3pm, 335 Borlaug

FRI - Cold Hardiness Discussion: *Citrus Cold Hardiness: Can It Be Modified?*, Disc. Leaders: Wang & Li, Noon, 398 AldH

SAT - Art of Specialty Garden Lecture Series: "Designing the Four Season Garden," Three talks: *Evergreens: The Garden's Framework*, Galen Gates; *Deciduous Trees and Shrubs*, Merv Eisel; *Herbaceous Plantings for Seasonal Color*, Kenneth Beattie; 9am-3pm, Earle Brown Center (cosponsors: MN Landscape Arboretum & MN State Hort Society)

* * *

CONGRATS TO OUTSTANDING CIVIL SERVANTS

The administrative wheels turn slowly but surely, once they're set in motion!

Congratulations to the six staff members who now have their \$300 each in hand as recipients of the Dept's Civil Service Outstanding Service Award: Dave Olson, Roger Meissner, Kathy Lloyd, Martha Piechowski, Evonne Kuyper, Mary Hartung and Lea Youngquist.

SKIT PARTY

Have you given any thought to giving a skit this year? You may want to seriously consider doing so as a number of people have something in the works. Remember you can sit back and take what is

dished-out, or you can jump into the ring and be part of the action.
This event will take place at 3pm on Tues., Feb. 14 in the headhouse. Please bring food to share. We would like to encourage everyone to wear their favorite or most obnoxious floral outfit. We are trying to make this a spring-like affair. (That is, the event, not a romance. But then again, this is for Valentine's Day!) Please see Mary Stuart or Nancy Hinrichs if you have any ideas for a skit.

DEPT AWARDED MONEY

On Jan. 12, the Hort. Dept. was awarded \$22,000 by the Graduate School's Fellowship Cmte. Funds will be used to support grad program activities.

MERIT AWARDS

Grad students are reminded that the deadline for Merit Awards is March 31. Please submit dossiers to Evonne in 305 by that time to qualify. (See blue book, pg 20a, for further info.)

P.R. EFFORT

We are going to redo our portable Hort. Dept. display that we carry around to field day and other events. Deb Brown is soliciting slides from anyone who has good ones depicting research or teaching, particularly slides with a person or people in them (human interest), plus colorful shots of crops, landscapes, produce, etc. All slides will be returned ASAP.

NEW OFFICE HOURS

Mark DeBower's Wtr Qtr office hours will be as follows: M-F, 11am-2pm. Office phone: 625-2780.

PRELIM ANNOUNCEMENT

There is a prelim exam for grads on Thr, Feb. 9. See Evonne for the question between 8am-4pm.

ATTN: FACULTY/POST-DOCS

"Form 15's" must be returned to Laura Kalisch by Mon., Feb. 6.

GRANT MONEY AVAILABLE

Proposal guidelines for obtaining "Greater Minnesota Corporation Technology Research Grants" are available for inspection via Laura in 305.

FURTHER GRANTS AVAILABLE

Research Explorations (REX) is a research enhancement program in Continuing Education and Extension, designed to assist University of Minnesota faculty research by involving public volunteers in field and laboratory work. Over 30 research projects are currently open to public involvement at campus, statewide, U.S., and international sites.

Proposals are now being sought for 1989 and 1990. Only proposals submitted by February 28 will be receive immediate consideration. See Laura in 305 for more info.

DEPT. VEHICLE USERS

Two compact station wagons have been added to the Horticulture Department fleet. They will be available to be signed out from October 1st through March 31st. From April 1st through September

30th the two wagons will be used by Dr. Davis and Dr. Luby.

HOUSING SOUGHT FOR VISITING PROF

The Dept. of Food Sci and Nutrition has a Visiting Hill Professor arriving in the middle of March. FSN's Edmund Zottola is sending out feelers to ascertain if there is anyone willing to rent their home to this family. They prefer a 3 bedroom, furnished home located near the St. Paul campus. Dr. Zottola can be reached at 624-9274.

JOIN THIS CMTE ON CMTE'S

The Senate and Assembly Committee on Committees are seeking nominations for prospective members who wish to join its ranks. (Only faculty and academical professional members qualify.) This group appoints individuals to the following committees (among others): All-University Honors, Computing and Information Systems, Consultative, Educational Policy, Equal Opportunity for Women, and Faculty Planning. See Laura of Dr. Bartz in 305 for further info.

ATTN: PI ALPHA XI MEMBERS

PAX will be sponsoring a luncheon in honor of Bob Lyons on Thr., Feb. 16, Noon, at Ciatti's. Please contact Pres. Myron at 489-1037 or secretary Mike Evans for necessary registration information.

GREENHOUSE PHONE DISCONNECTED

The telephone located in the receiving area of the greenhouse headhouse has been disconnected temporarily. There is, however, a

phone locate across from cooler #77 in the basement.

TAX LETTERS DELAYED

Grads: The University Attorney has advised all departments that no tax letters are to be written until they receive official word from him.

OLD PHONE BOOKS

Old telephone books should be placed under the daily newspaper box (front foyer) to be picked up by the Recycling Dept. on Tues., Feb. 14. Thank you.

MARK YOUR CALENDARS

Remember: the Kermit Olson Memorial Lecture and Student Awards takes place, Thr., Feb. 16, at 7:15 pm, and the Earle Brown Center (Room 135). The guest lecturer will be Dr. Robert E. Lyons, who will speak on, "Aspects of Horticultural Photography". There will also be a photo exhibit on hand entitled, "Flowers and Other Colors".

MORE CALENDAR MARKING

Another advance notice: A special seminar is planned for Mon, Feb. 13, at 2 pm, in 335 Borlaug. Dr. Peter Carlson of Crop Genetics Int., Inc., will speak on "InCide: A New Delivery System for Biological Crop Protection". See notice in front hall for details.

* * *

Have An Outstandingly Productive Week!

twig bender

Volume 7/#5/February 10, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES FEB 13-17

MON-UAC, 11am, 398 AldH

-Special Seminar:
Related to the Field
Testing of Corn
Inoculated with an
Engineered Organism,
2pm, 335 Borlaug

-Plant Breeding
Seminar: On Stability
Analysis, Nicholas R.
Degenhart, 4pm, 306
Borlaug

-Monday Night Disc.:
Selection Techniques
for High Temperature
Tolerance, Karl
Sauter, 7pm, Fireplace
Room, McNeal Hall

TUE -Staff Mtg, 8:30am,
394 AldH

-Department Coffee
Hour preempted by
"Skit Party"

-Senior Seminar:
Indian Foods from
Native Plants, Ann
Mitchell, Noon, 415
AldH

-Valentines Day Skit
Party, 3pm, Headhouse
classroom (see news
item below)

WED-GSC Mtg, 10am, 398
AldH

-Project Sunrise
Leadership Seminar:
Seventh View of
Leadership, Bob Terry,
Noon-2pm, 306
Borlaug

-Wed. Seminar:F

lavors From the Wild-
Another Aspect of
Strawberry Breeding,
Margaret Stahler, 4pm, 415
AldH

THR-Bob Lyons meets with
floriculture group and
other interested students
and faculty, 10:30am, 394
AldH

-Pi Alpha Xi lunch with
Bob Lyons at Ciatti's-
reserve your space by
contacting Mike Evans or
Myron Thornberry

-Senior Seminar: Career
Opportunities for Gold
Course Superintendents,
Jeff Anderson, Noon, 415
AldH

-Kermit Olson Memorial
Lecture, 7:15pm, 135 Earle
Brown Center (see news
item below)

FRI-Reception to honor
Bob Lyons and mark the
opening of this
photography exhibit,
"Flowers and Other
Colors," 1-3pm, Arboretum
Auditorium

ATTENTION GRADS

Council of Grad Students
(COGS) is sponsoring
several meetings focusing
on grad student concerns.
Big issues like: Child care,
Tax workshops & criteria &
responsibilities of Grad
Assistants. See back
bulletin board for details.
Attend a meeting &
enlighten thyself!

STRAWBERRY FIESTA

"Wed., Feb. 15, come to
seminar early (3:45pm) for
Strawberry Flavor Fiesta.
Taste raw chemical flavors
to compare and contrast
with the real thing fresh
strawberries, natural
strawberry products, and
artificially flavored
strawberry products.

"Gourmands, experience it
ALL in 415 Alderman! To
avoid mucking-up your
sensors, please refrain
from coffee/tea for at
least 45-60 mins
beforehand. What will be
served? Strawberry juice,
Kool Aid, fruit leather,
jam...and other surprises!"

MEET CANDIDATES

The Entomology Search
Committee has invited
three candidates for
interviews for the
"vegetable-Forage
Research Extension"
position. They include
William Hutchison, Larry
Godfrey, and Beth
Grafton-Cardwell. You are
invited to their seminars
and a special faculty
lunch for each candidate.
Their schedules are posted
in the lobby.

STUDY AT PURDUE

There are significant new
opportunities for graduate
training towards the PhD
in the Horticulture
Department at Purdue
University at the Center
for Plant Environmental
Stress Physiology. A
McKnight Research and
Training Grant will
support a multi year
drought stress research

project. Research will be focused on the basis of drought tolerance in sorghum. Studies will be conducted on RFLP mapping and transposon mutagenesis, water relations, gas exchange, water use efficiency, hormone metabolism and protein synthesis. Twelve McKnight Foundation are available to outstanding doctoral students seeking broad interdisciplinary training in the area of plant physiology, biochemistry, molecular and classical genetics. See the grad board for details.

VALENTINESKITS

When: Tuesday, February 14
Time: 3pm
Where: Headhouse classroom
Wear: A floral outfit
Bring: Some kind of food to share. Punch will be provided. We will also be taking donations for supplies and prizes.

There are quite a few skits planned. We are counting on the people doing skits to dazzle us who are too shy to act, we are counting on you to impress us with your culinary skills.

NEW SERVICE

The Office of Measurement Services of the Univ. Counseling Services is pleased to announce a new service to assist university faculty with the preparation and improvement of course

examinations. OMS staff are available to consult with faculty to give technical assistance with student evaluation instruments. They will help with measuring "what they want to measure".

To make an appointment for technical assistance with test preparation or improvement, phone Gary Joselyn at 626-0006. There is no charge to U faculty or dept's for this service.

FELLOWSHIPS

The MacArthur Scholars fellowship competition offers grants to outstanding graduate students with an interest in international studies, esp. those focusing on the developing world (Africa, Asia, the Caribbean, Latin America, and the Middle East). \$10,000 will be provided for the first year and also for the year following passage of Ph.D. preliminary exams. Further info can be found on the bulletin board in the front hall.

VISITING SCIENTISTS

The Dept. of Entomology will host visiting scientists Rhonda R. Janke, Agronomy Coordinator, Redale Research Ctr., and William Friedland, Dean, College of Social Sciences, Univ. of Calif., Santa Cruz, on Feb. 15 and Feb. 17, respectively. Dr. Janke has studied weed ecology in alfalfa, the biology of conversion from chemical intensive agriculture to

organic agriculture, non-chemical weed control tactics in conservation tillages, and the effect of livestock manures on cropping systems. Dr. Friedland has conducted extensive work on the sociology of agricultural production systems, and has focussed on many topics, including labor relations in agriculture, the social impacts of technology, including mechanized harvesting machines, and has been a long-time advocate of social impact of new and developing technologies.

If you are interested in meeting these individuals, please see Dr. Waters for further details.

PAYROLL INFO

Exempt W-4's submitted to payroll in 1988 expire on 2/15/89. To avoid having taxes withheld after that date, new exempt W-4's should be received in this office by the following dates:

Bi-weekly Payroll - noon on 2/14/89
Regular Payroll - noon on 2/20/89

MWR forms (Reciprocity) expire on 2/28/89. To avoid having Minnesota taxes withheld, new forms must be in payroll by the following dates:

Bi-weekly Payroll - noon on 2/28/89
Regular Payroll - noon on 3/7/89

twig bender

Volume 7/#6/February 17, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES FEB 20-24

Potatoes, Jim Spychalla,
3pm, 335 Borlaug

Things are disappearing from the 4th floor lab: yellow filter for the camera, black velvet backdrop cloth for photography, tried and true brown paper cutter. These are all missed by frequent users. If you have them, please return! Thank you.

* * *

SCHOLARSHIP FOR HIGH SCHOOL GRADS

High school graduates planning for become full time students next fall at the University are eligible for the Cargill Scholarship Program for Rural America. To qualify for a \$1000 non-renewable scholarship, applicants must apply by March 15. For an application, contact: Cargill Scholarship Program for Rural America, Citizens' Scholarship Foundation of America, Inc., P.O. Box 297, St. Peter, MN 56082. Phone number: 507-931-1682.

* * *

JOB OFFER

Washington County Extension is looking for a "Horticultural Assistant" for a special project running from Mar. 1 - Sep. 23. The position pays \$7.50/hr and requires an input of four days per week. Deadline for application is Feb. 24. For a job description, please see Laura in 305.

* * *

RESEARCH APPRENTICESHIP PROGRAM FOR HIGH SCHOOL JUNIORS & SENIORS

The Cooperative State Research Service, Dept. of Agr., is sponsoring a Research

MON- Plant Breeding Seminar:
Genetics and Biotechnology in Forest Tree Improvement, Don E. Riemenschneider, 4pm, 306 Borlaug

FRI - Plant Hardiness Discussion: *Certification of Plant Tubulin By Assembly/Disassembly*, Marna E. Ericson, Noon, 398 AldH

* * *

ENVIRONMENTAL PHYSIOLOGY JOUR CLUB

During the next four weeks, the Environmental Physiology Journal Club will be reviewing papers by Peter Steponkus. Dr. Steponkus will be presenting a seminar Mar. 30. The first paper by Weist and Steponkus 1978 is available on the Hardiness Bulletin Board. (See calendar item above.)

* * *

NEW BABY

Congratulations to Sonja and Jeff Maki upon the birth of their son, Peter Jeffrey, who was born at 7:26am on Feb. 15, weighing 8 lb 7 oz, and measuring 20-3/4"!

* * *

UPCOMING SYMPOSIUM AND RETIREMENT RECEPTION

Dr. William E. Larson is retiring from a career in Soil Science that has spanned 40 years. To commemorate the occasion a symposium and retirement reception will be held on March 16. Details can be found on the bulletin board in the back hall.

* * *

MISSING FROM 4TH FLOOR LAB

- Monday Night Discussion:
Rootstock/scion Interaction and Grape Vine Cold Hardiness, Brent Bushnell, 7pm, Fireplace Room, McNeal Hall

TUE - Senior Seminar: *Corporate Site Landscape Maintenance-Costs and Benefits*, Julie Kruse, Noon, 415 AldH

- Department Coffee Hour, 2:30pm, 394 AldH, Host: Dave Olson

WED- Environmental Physiology Journal Club, Noon, (Room No. will be posted on Hardiness Bulletin Board), All are welcome (see news item below for details)

- Project Sunrise Seminar:
Employers' View of Leadership, Noon-2pm, 306 Borlaug

- Wednesday Seminar:
Higher pH Tolerance in Vaccinium spp. (Blueberry), Chad Finn, 4pm, 415 AldH

THR - Senior Seminar: *Ethics in Tissue Culture*, Kim Sathre, Noon, 415 AldH

- Plant Physiology Seminar:
Membrane Lipids, Hydrolytic Enzymes and Antioxidants of Stored

Apprenticeship Program for high school juniors and seniors in 1989. It is hoped that participating apprentices will establish a close working relationship with active research scientists who would then serve as mentors to assist the young man or woman with encouragement and advice on careers and college for further education. Applications are due in the Agr. Exp. Sta. no later than noon on March 1. Please see Laura in 305 for details.

* * *

SOFTWARE EXCHANGE

You are cordially invited to participate in a software exchange session at the 1989 Winter Meeting of the American Society of Agricultural Engineers in New Orleans, Dec. 13-16.

The purpose of the exchange session is to showcase end-user computer programs for agriculture. Participants will have the opportunity to demonstrate their programs to a wide variety of engineers in the agricultural and biological sciences. Provisions will be made to distribute the programs available for copying at the session. All participants will therefore be required to submit a short summary describing their software. Please see Laura in 305 by April 1 for registration form.

twig bender

Volume 7/#7/February 24, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES FEB 27-MAR 3

MON- Plant Breeding Seminar:
*Controlling Plant Diseases
with Genetically
Heterogeneous Populations*,
Harold R. Mickelson, 4pm,
306 Borlaug

- Monday Night Discussion:
Prelim Question Discussion,
7pm, Fireplace Room,
McNeal Hall

TUE - Senior Seminar: *Computers
in the Nursery Industry*,
Roberta Wennberg, Noon,
415 AldH

- Department Coffee Hour,
2:30pm, Hosts: Evonne,
Roger, 394 AldH

WED- Project Sunrise Seminar:
*How Faculty Currently
Enhance Leadership Skills
in Their Classrooms*;
Presenters: Peter Ascher,
Vern Cardwell, Laurie
Hayes, Ian Moore, Bonnie
Pechtel, and Bill Rempel;
Noon-2pm; 306 Borlaug

- Wednesday Seminar: *Turf
Products, Ground Water,
and Public Perception*,
Mike Agnew, 4pm, 415
AldH

THR- Project Review Seminar:
MIN-21-077, Joan Nassauer,
P.I., Noon, 394 AldH

- Senior Seminar: *Organic
Insect Control in
Floriculture*, Amy Burtis,
Noon, 415 AldH

- Plant Physiology Seminar:
*Characterization of
Chlorophyll-Deficient*

Mutants of Alfalfa, Don
Lee, 3pm, 335 Borlaug

FRI - Plant Cold Hardiness
Discussion: *Changes in ABA
Content and Increases in
Frost Hardiness of
Mefluidide-Treated Solanum
Tuberosum at 20°C*,
Stephen Ryu, Noon, 398
AldH

* * *

HORT BENEFIT FUND

The Hort Benefit Fund is
desperate! Contributions to the
fund will be appreciated - faculty
& civil service staff are
encouraged to donate to the cause.

* * *

SCHOLARSHIP ANNOUNCEMENT

The Garden Writers Association of
America announce an available
scholarship for students interested
in horticultural communication. See
Laura in 305 for details. (Deadline
is May 30.)

* * *

REMINDER TO FACULTY

Faculty are reminded to have their
plans/accomplishments in by 2-28-
89.

* * *

SOFTWARE DISCOUNTS

Special purchases permit the
Minnesota Bookstore to make the
following available to departments:
1) two Mbyte memory expansion
kits, surface mount, 100NS, from
Microbanks, which are available
for \$675 (installation included), 2)

"Mathematica" for the Motorola
68030 Mac Iix or Mac SE/30 is
available for \$120. Manuals may
be purchased for \$22 each if they
are purchased with
"Mathematica". At least two
Mbyte of memory is required to
run "Mathematica".

Limited quantities are available.
The Electronics Desk at the
Minnesota Book Center,
Williamson Hall, will accept
orders immediately. These offers
are good only while supplies last.

* * *

VIDEOTAPE FOUND

A promotional videotape entitled,
"Mobay Grubworm Clip," produced
2-19-85 by the ad agency of
Jewell, Baker & Zander is
available at the front desk to the
person who lost it.

* * *

REMINDER

Abstracts are due in by March 1.

* * *

FOR SALE

Eight 1000 watt, metal halide
lights. Price is \$75 each. See
Leonard Hertz, Roger Meissner or
Edith Lurvey.

* * *

CONDO FOR SALE

A one-bedroom condo is for sale
by the owner. Located on the
banks of the Mississippi in
Riverview Tower (1920 S. 1st
Street, Mpls). Further info: Low
50's with an 8.3/8% assumable
mortgage, Next to the University
of Minnesota, Underground

parking, Laundry facilities, Central air/heat, Party/game room, Convenience store, Daily mail delivery/pick-up, Whirlpool/sauna, Swimming pool, Sundeck, Tennis court, Exercise room.

For further information or to set up an appointment call: 624-3487 (days) or 332-7242 (eves).

* * *

EXCHANGE STUDENTS

Host families are needed March 20-23 for international agricultural student trainees that will be attending a three day orientation on the St. Paul Campus. Hosting an exchange student is a great opportunity to experience an international friendship without leaving town and it works out conveniently with your schedule also. Your guest can ride in with you in the morning and home with you after work. If you think you would be interested in hosting a student or two from England, Australia, Denmark, Sweden, Norway, Finland, New Zealand, France or Germany in your home for three nights or if you would like additional information, please contact Sue Rains-Johnson at the MAST International Office at 624-1745.

* * *

MISSING BOOK

Harold Wilkins writes from California that he loves it there except he is cold all the time! He is missing his book on Ethylene by Abeles. Lent it to someone and can't remember who. If you have it please give it to Betsy Zimmermann for forwarding. Thanks.

* * *

CANDIDATE RESUMES

The resumes of two candidates for a position in Marketing and Business Management at the Hort Central Experiment Station, Peter Burkhardt and Philip Wolfson, are available for perusal in advance of their respective presentations before the Ag. and Appl. Econ. on March 6 and 7. Please see Laura for this info.

* * *

Have A Commendable Week!

twig bender

Volume 7/#8/March 3, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Plant Breeding Seminar:
Drift Effects in Plant Breeding, David J. Gebhardt, 4pm, 306 Borlaug

- Monday Night Discussion:
Self Unfruitfulness in Vaccinium, Rick Harrison, 7pm, McNeal Hall (Fireplace Room)

TUE - Senior Seminar: *The Greenhouse Effect - Present and Future*, Dennis Possin, Noon, 415 AldH

- Department Coffee Hour, 2:30pm, 394 AldH, Host: Leonard Hertz and Another Yet-to-be Designated Philanthropist

WED- Wednesday Seminar: *Tissue Culture Transformation of Brassica Campestris*, David Larson, 4pm, 415 AldH

THR - Senior Seminars: 1) *Commercial Lawn Care Chemicals - Environmental Issues*, LeAnn Forsman; 2) *Putting Green Speed-Players v. Grass*, David Simeon; Noon, 415 AldH

- Plant Physiology Seminar: *Effect of Salinity Stress on Cell Permeability and Lipid Partiality in Salt Sensitive and Tolerant Lines of Wheat and Barley*, Mohamed Mansour, 3pm, 335 Borlaug

FRI - Plant Hardiness Discussion: *Potato Frost Resistance*, Paul Li, Noon, 398 AldH

- Forum: *Why Twig Bender Isn't Funny Anymore*, Discussion Leader: Ruhollah Khomeini

After lengthy consultations with no one in particular, Twig Bender is proud to announce that it is now offering its editorial headquarters (305 AldH, cubbyhole near rear) available as sanctuary to Salmon Rushdie, who is currently under protection of Scotland Yard owing to the price put on his head by the Imam of Iran.

Hopefully, this bid will bring Twig Bender at least as much dizzying international acclaim as it recently brought to the ever-trendy Minnesota Legislature. On the other hand, no one took Twig Bender seriously when we tried to obtain custody of rhythmic felon James Brown. What a pity. After we invested all our reserves in party invitations, too! (How much of a bruising can our First Amendment rights withstand?)- Ed.

WELCOME

The Arboretum has a new staff member in the person of Mary "Mickie" Murphy-Neher, who serves as the Arb's "Publications and Grant Writer". Mary's background includes stints at the Children's Museum and

Minnesota Suburban News. Welcome.

* * *

HOPEFULLY THEY WON'T TEST THE REST OF US

When this editor was an undergrad, many TA's provided a daily lesson in the true meaning of education in a pluralistic university setting. Unfortunately, that lesson proved to be one of the few that registered during those sweet, halcyon days in CLA. Too bad the present, beneficent policy which is now in place offering testing to guarantee that all TA's are up to speed linguistically, was not in effect in those prehistoric days.

The days of testing/reckoning in advance of spring qtr will follow the schedule printed here:

Mar 13, 10am & 3pm.
Mar 16, 1pm, 2pm, 3pm.
Mar 17, 9am, 10am, 11am
Mar 27, 1pm, 2pm, 3pm.
Mar 28, 1pm, 2pm, 3pm.

Each one-hour session will be conducted in 125 Folwell. Group Therapy immediately follows in the nearest watering hole where, if one lingers long enough, everyone eventually attains the identical level of coherency.

Note: this publication neither endorses the consumption of spirits nor the proper use of the English language. (We would think that at least the latter would be obvious by now.) - Ed.

**PI ALPHA XI
FUND RAISER**

Notice to all Pi Alpha Xi members: Seeds for our two fund raising projects have been sown. We need your cooperation in order for these projects to be successful so please sign up for watering on the office door of Michael Evans, 460 AldH.

* * *

**UPCOMING
FACULTY ASSEMBLY**

There is a winter quarter faculty assembly on Wednesday, March 15, from 10am-Noon, in 335 Borlaug. Agenda items should be submitted to the College of Agriculture, c/o Paulette Collins, today (Mar. 3). A final agenda will be distributed on the 8th.

Note: College of Ag Faculty Assembly Meetings are open to all faculty, academic staff, civil service personnel, and students in the College.

* * *

**SEARCH FOR THE
PERFECT PROF**

Peter Burkhardt, a candidate for the position of "Marketing and Business Mgmt" for the North Central Exp. Sta. in Grand Rapids, will speaking of a topic of his choice on Mon., March 6. The place is 230 Classroom Office Bldg., at 1:30pm. Philip Wolfson, a competing candidate, will make his presentation on Mar 7, 230 COB, at 1pm.

Hort staff is invited to participate in this examination conducted by the Dept. of Agricultural and Applied Economics.

A copy of both resumes are available for inspection in advance of presentations. See Laura in 305 for info.

* * *

CALL FOR PROPOSALS

Proposals are being sought for Phase VII of Project MinneMac. Apple Computer, Inc. is waiting to bequeath 50 Macintosh computers to lucky faculty with a persuasive proposal for new software (ouch! - we knew there had to be a catch). Proposals are due May 1. More info available via Laura in 305.

* * *

CALL FOR PAPERS

There is a call for papers to be considered for the annual meeting of the North Central Region/American Society for Horticultural Science and Western Canadian Society for Horticulture, to be held Jul 11-15, at the University of Manitoba.

Further info concerning this annual conclave and specs on papers can be found posted in the back hall.

* * *

P'S AND Q'S DEPT.

Tips on conducting "evaluations" is hereby reprinted from the Int'l Training in Communication (ITC) workbook:

"Evaluation is intended to point out assets on which to build for continued development and to help members recognize areas which need more study and practice. For this to be helpful to the member receiving evaluation, information must be

communicated in a way that encourages the receiver to use the information for growth and improvement. The evaluator must be concerned, considerate and constructive, and should point out or explain what needs improvement and what steps could be taken to do so. Attention should be called to good points in the performance so these may be repeated.

"DO NOT prepare carefully, use tact, convey honesty, approach the assignment seriously, compliment the good, suggest methods for improvement, be concise, be constructive, use compassion.

"DO ridicule or embarrass, upstage the performer, show partiality to any member, pretend to superior knowledge, be dogmatic, evaluate handicaps that cannot be remedied, repeat the content of the assignment."

(Whoops. We got them mixed-up. Oh well, just do the opposite of what it says. Sorry. - Ed.)

* * *

**Have A Constructively-
Critical Week!**

twig bender

Volume 7/#9/March 10, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES MAR 13-17

(CUT HERE)

* * *

SAT - Art of Specialty Gardens
Lecture: *Bulbs For Landscape Accent*;
Speakers: Mary Maguire,
Lerman, Judy Glattstein,
Ken Vogel; 9am-3pm;
Earle Brown Ctr; Cost:
\$18/\$22 (Arboretum or
Hort Soc members / non-
members)

Last week, Twig Bender offered political sanctuary to Salmon Rushdie and the world stood up and took notice. Unfortunately, Rushdie did not and remains in personal jeopardy. Well, that's fine. . . Go ahead and get killed, Rushdie. Just don't come crying to us about it later, that's all!

THANKS EXTENDED

Hort Club extends its thanks to the 1988-89 officers: Julie Kruse, pres.; Jeff Anderson, v-pres.; Dan Hanson, social chair; Patty Doyle, treasurer; Lance Terwilliger, greenhouse manager; and Sydney Harrison and Sue Bigelow, secretaries.

MON- Plant Breeding Seminar:
Classifying Environments For Field Trials, Baffour Asafo-Adjei, 4pm, 306 Borlaug

Not to let such colossal impudence dampen our philanthropic spirit, this week Twig Bender offers sanctuary to a man known to many but befriended by few: former legislative kingpin and "Superman" protege John Tower.

Thanks to you for your outstanding service over the past year!

We welcome new officers for 1989-90: Patty Doyle, pres.; Sydney Harrison, v-pres.; Scott Solomonson and Ann Miller, social committee; Sara O'Leary, treasurer; Rhonda Sherman, Shawn Herman and Sue Bigelow, greenhouse managers; and Janet Larson, secretary.

- Monday Night Discussion is cancelled this week

The much sought-after slot of social director is being reserved for Sen. Tower and, once filled, we hope our organization regains the kind of profile that's been lacking ever since the notorious 1982 retreat which resulted in the arrest of our entire board of directors. (Guess we should have known better than to book it in Davis, California.)

Congratulations to you all!

* * *

TUE - Department Coffee Hour, 2:30pm, 394 AldH, Everyone encouraged to bring treats in honor of St. Patrick's Day (though it is inexplicably premature)

With a few more token celebrity board members, our corporate roster should rival that of Brown University and restore the name recognition traditionally reserved for "holier-than-thou" rags like the Wall Street Journal and Polk County Ledger.

MISSING CAMERA

The fourth floor lab camera is missing. Everyone is worried. If you have it, please return it right away!

* * *

WED- Winter Qtr Faculty Assembly, 10am-Noon, 335 Borlaug (open to COA faculty, staff & students)

(Starting this week, Twig Bender's offensive preface is printed with a convenient cut-out border. Now, all readers may play Supreme Censor and engage in preventive "surgery" to avoid reading the irritating prattle. Just one of the many ways this publication strives to earn your respect.)

Incidentally, plans are similarly underway to induct Luther Burbank as corporate fund raiser and Eastern Airlines CEO Frank Lorenzo as public relations guru. Think it'll fly? At least you'll know to whom you can air grievances. - Ed.

HOT STUFF

Thanks to whomever presented me with "More Hot Stuff" - the fiery beans. (Since you didn't sign your note, I don't know who you are!) - Margaret Stahler

* * *

(CUT HERE)

either Tue. or Wed. next week (Mar. 14 or 15). If you still have your old books, please drop them off in the foyer by that time.

* * *

FOR SALE

Six new redwood autoclave trays are available from the Hort Shop for \$10 ea. See Dave Olson for details.

ATTN GARDEN PLOTTERS

Students and staff in the department will again be able to have a garden plot. Please be aware that there are strict regulations regarding parking and garden upkeep. If you would like to join your fellow horticulturists this year in the educational garden plots, please sign up in the back hallway and indicate if you would like one or more plots. If you want to have a garden but don't want a whole plot, you may sign up with another member of the department and share a plot. Grad student coordinator this year is Jeremy Treadwell.

* * *

Have A Self-Hyphenated Week!

twig bender

Volume 7/#10/March 17, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES MAR 20-24

TUE - Department Coffee Hour, 2:30pm, 394 AldH, Hosts: Ken McNeil & Margaret Stahler

WED- Stress Physiology Journal Club: *Transformation of the Cryo-behavior of Rye Protoplasts by Modification of the Plasma Membrane Lipid Composition*, PNAS 1988 pp. 9026-9030, Noon-1pm, St. Paul Student Ctr (Dr. Steponkus will be giving a seminar here on Mar. 29)

SAT - Art of Speciality Gardens Lecture Series: *The Useful Garden*; Holly Shimizu, Bob Mugaas, Jackie Smith; Normandale Cmty Col., Bloomington; 9am-3pm; Sponsored by MN Landscape Arboretum and MN State Hort Society (info: 624-7752).

* * *

UPCOMING PANCAKE BRUNCH

The Minnesota Landscape Arboretum will hold its annual pancake brunch and sugarbush open house on April 1 and 2 at the Arboretum near Chanhassen. Tour the sugarbush and see how maple trees are tapped for sap at 11am, noon, 1 and 2pm. Sap cooking in the sugarhouse will be demonstrated from 10am to 3pm. Everyone can taste freshly made maple syrup topping hot whole wheat pancakes at the pancake brunch served from 9am to 1pm. Add'l cost for the brunch is \$3 per adult, \$1.50 per

child 12 years and under. Children under 3 years eat free.

Advance tickets for the pancake brunch can be purchased by mail or in the Arboretum Gift Shop. Send \$3 per adult, \$1.50 per child (under 12) along with a self-addressed, stamped envelope to Pancake Brunch, MN Landscape Arboretum, 3675 Arboretum Dr., P.O. Box 39, Chanhassen, MN 55317. Mail orders will be accepted through March 24. No gate fee will be charged to nonmembers who present advance purchase tickets.

For more info phone 443-2460.

* * *

NEXT PRELIM

The next prelim exam for grad students will be Apr 6. Mark your calendars.

* * *

NEW DIAL U HOURS

Just a reminder that Dial U Insect and Plant Information clinic will change its hours as of Apr 3 (Mon) to 9am-5pm, weekdays. These hours will be in effect through Sep.

* * *

PI ALPHA XI

Members of Pi Alpha Xi are requested to donate 1/2 hour of time on Mon., Mar. 20 to help transplant seedlings. If interested, be at the headhouse between 4-6pm. For additional information see Nancy Hinrichs, Joni Stapfer or Michael Evans.

* * *

LAB CAMERA USE

The fourth floor lab camera is once again in our possession. However, it will now be kept under lock and key at all times. If you wish to use the camera, please see Nancy in 335 AldH. If you want to use it at night or on the weekends you must plan in advance in order to get it.

* * *

MISSING CSRS BOOK

The CSRS Progress Report book for 1988 is missing from the cupboard in 305 AldH. Please return it if you know where it is. Thanks.

* * *

MISSING SLIDES

Has anyone found a slide box with slides of tulips, irises, etc. from flower shows and gardens? They probably say "Lamb" on the slides. Betsy has lost them and would appreciate their return. Thanks.

* * *

DESKS AVAILABLE

There are two desks available for removal in room 230 AldH. For further info, check with Laura Kalisch or Ok-Young Stadelmann.

* * *

PHOTOCOPIER USE

The use of dept. Xerox paper seems to be on the increase. Keep in mind that Beckwith, at 2 cents a copy, is still the best deal in town (compare that

twig bender

Volume 7/#11/March 24, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES MAR 27-31

TUE - Mystery Coffee Hour,
Nobody Signed Up (come
early to get first shot at
absolutely nothing), 2:30pm,
394 AldH

THR - Plant Physiology Seminar:
*Cellular and Molecular
Aspects of Freezing Injury
and Cold Acclimation With
Reference to Plasma
Membrane*, Peter Steponkus
(Agronomy, Cornell Univ.),
3pm, 335 Borlaug

FRI - Seminar: *Stomatal and Non-
stomatal Limitations to
Photosynthesis in Phaseolus
vulgaris L. and P.
acutifolius Gray*, Yves
Castonguay (Ph.D. defense
seminar), 9am, 394 AldH

* * *

In order to bolster Twig Bender's
image as a beneficent, community-
oriented weekly, we pass on the
following health-related news at
the suggestion of avuncular
Surgeon General, C. Everett Koop:

This week, the following
foodstuffs have been determined
to be toxic by anonymous,
authoritative laboratory drones:

Kumquats
Cucumbers
Lettuce
Potatoes
Pork Rinds
Most Other Kinds Of Pork
Oranges
Things With Cyanide In Them
Besides Chilean Grapes
Blueberries
Things Found On Petri Dishes
Zucchini
Everything Salmon Rushdie Likes
To Eat

Salmon Mousse
*California Raisons (the actual
raisons, not the lovable
rhythmic "pitchmen")*
Carrots
*Things Tossed Around In Theaters
During Screenings Of "The
Rocky Horror Picture Show"*
Seafood
*Amphibious Food
Chicken McNuggets
Plutonium McNuggets
Veal
Decaffeinated Coffee
Regular Coffee
Alderman Hall Coffee
Distilled Water
Spaghetti-O's
Squash (The Plant, Not The Sport)
Nut 'N' Honey
Canned Peas
Things That Begin With The Letter
"K"*
*Campbell's Cream of Mushroom
Soup
Fruit Cocktail
Samsonite Luggage*

(On a cheerier note, it is now
perfectly safe to continue eating
Alar-laced apples and Chilean
grapes, particularly if Augusto
Pinochet is seen eating them.)

This warning is subject to change
without further notice. - Ed.

* * *

BRAND NEW MASTER OF SCIENCE

The Hort Dept. has an additional
Master of Science. Julie O'Leary
passed her Final Exam on Jan
27th. Congratulations, Julie!

* * *

PAYROLL STUFF

Faculty & Supervisors of Student
Employees, Note: Please ask you
hourly student employees to see

Angie in Accounting as soon as
possible. She needs to check
their Spring Quarter fee
statements.

* * *

MERIT AWARDS

The deadline for grad students
submitting their dossiers for
Merit Awards is Mar 31. Please
see Evonne for details.

* * *

IN MEMORIAM

We regretfully note the passing
of Florence B. Wilcox, widow of
former faculty member Arthur N.
Wilcox. Mrs. Wilcox passed away
this past week.

* * *

SEEDLING TRANSPLANTS

Once again Pi Alpha Xi will be
transplanting seedlings from 4-
6pm on Mon., Mar 27. We would
appreciate it if members would
donate some of their time.
Remember this is a way for us to
increase our financial status
allowing us to do more in the
future. If you have any questions
please see Nancy Hinrichs, Joni
Stapfer or Michael Evans.

* * *

FLOWER FUND THANK YOU

"A heart-felt thanks to everyone
who contributed to the Hort
Flower Fund. The response has
been tremendous! We are way out
of debt now and I truly
appreciate being able to pay the
bills within days. I will be
accepting contributions from now
on so anytime you feel the urge

to contribute to a worthy cause, I'll be happy to accept any size donation. This fund is for civil service personnel as well as faculty so CS types are also encouraged to donate, also. (*Ed. Note: the fund provides for conciliatory flowers during times of illness or death among the Hort family.*)

"Again - Thank you very much!"

Laura Kalisch

* * *

SOON TO GO OVERSEAS

Brent Bushnell obtained a 10-month scholarship from the German Academic Exchange Service. He will be studying in Geilweilerhof, FRG (West Germany), at the Federal Grape Research Station.

* * *

BIRTH ANNOUNCEMENT

Without births, life would be impossible.

* * *

REAL BIRTH ANNOUNCEMENT

Penny and Ramone Aguirre are the proud parents of 7 lb. 8 oz. Anthony Ryan, born on Mar 20. Congratulations to all!

* * *

SCHOLARSHIPS AVAILABLE

Scholarships will be awarded to grad students under the auspices of the Professional Plant Growers Scholarship Foundation, provided

applications are submitted before May 1. For information, please see Evonne or check the bulletin boards in the front and back halls.

* * *

Have A Gastronomically- Paranoid Week!

twig bender

Volume 7/#13/April 7, 1989

Editor: Jay Hopkins

CALENDAR

APR 10-14

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

MON- Monday Evening Discussion:
*Screening For Corn Borer
Resistance*, Mary Joyce,
7pm, 415 AldH

TUE - Department Coffee Hour;
Shirley Munson, host;
2:30pm; 394 AldH

- Plant Breeding Discussion:
*A Discussion With R.J.
Baker*, 6:30pm, 302 Borlaug,
Everyone invited,
Refreshments provided

FRI - GSC Meeting, 8am, 398
AldH

* * *

REPRINTS QUESTION

Dr. Stadelmann recently found a
number of reprints on fruit trees
in his mailbox which were written
in German. The donor should
contact Dr. Stadelmann and inform
him if he or she has a special
interest in one of the topics dealt
with in these reprints.

* * *

BIG STINK

Old lunches routinely pile up in
the refrigerator in the staff room.
If you leave your lunches there
during the week, please remove
them each Friday. Thank you.

* * *

GRANT AWARDED

Margaret Stahler and Jim Luby of
the Hort. Dept., with the
cooperation of Albert Hong and
Gary Reineccius of the Food
Science Dept., have been awarded

a grant from the Kay Mukai
Research Foundation. The
proposal is entitled, "Identifying
Genetic Diversity for Volatile
Flavor Components in Wild and
Cultivated Strawberries as Basis
for Improving Fruit Flavor".

* * *

GRANTS RECEIVED

Congratulations to Emily Hoover
for securing \$100,000 in grants
from the Great Minnesota
Corporation and from the State
Dept. of Agriculture Sustainable
Agriculture program.

* * *

JOB OPPORTUNITY

Office Help Needed - Part time
summer job at MN State
Horticultural Society. Word
processing, data entry, bulk
mailing, phones - and preferably a
gardener. Fun work - low pay.
Apply to MN State Horticultural
Society, 161 Alderman Hall, St.
Paul, MN 55108. Phone: 624-7752.

* * *

SEEDS AVAILABLE

A variety of flower and vegetable
seeds are available at the
Horticulture Society Office - 161
Alderman Hall - Now at 1/2 price
while supply lasts.

* * *

Have A
Slick Week!

twig bender

Volume 7/#14/April 14, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES APR 17-21

MON- Mon. Eve. Disc.: Prelim
Question Discussion, 7pm,
394 AldH

TUE - Department Coffee Hour,
Hosts: Kathy Lloyd &
Fernande Rodgers,
2:30pm, 394 AldH

WED- Stress Physiology Journal
Club: *Molecular Cloning
and Relationship to
Freezing Tolerance of
Cold Acclimation -
Specific Genes of Alfalfa,
Plant Physiol.* 89:375-
380), Noon, St. Paul
Student Center

FRI - Plant Hardiness
Discussion: *One Foot in
the Freezer and One in
the Oven*, Nawarat
Chaisompongpan, Noon,
398 AldH

* * *

THANKS

Thanks from all who
participated in the Second
Annual Pancake Breakfast to
Mary Curran and Dave Olson for
their tireless wizardry in the
kitchen. The blueberry pancakes
were superb, as was the
camaraderie. Thanks again.

CONGRATULATIONS

Karl Sauter has received an
Alexander P. Anderson and Lydia
Anderson Fellowship. There are
awarded to successful nominees
who currently are in graduate
study in the plant or animal
sciences and who have
completed the master's degree.
Three to four awards are given

annually, with preference to
students involved in basic
research.

LOST

Red gym bag, with "McGregor"
on its side. If found, please
contact Ron Moen, Hodson Hall,
4-3785.

DIRECTORY REVISION

The department phone listed
(recently distributed) included a
few errors. Please correct your
copy as per the following: Laura
McCann's phone no. is: 5-5747.
"Vance" should be scratched off
of "Department Heads".

Also, the Graduate Students
listing should include the
following: "HRC - S. Palmquist-
JLL" and "D. Schrock - PDA".
Questions? See Kathy in 305.
Thanks.

FULBRIGHT SCHOLARSHIP WORKSHOP

A Senior Fulbright Scholar
Application Workshop will be
presented by the Washington,
D.C., staff of the Council for
Int'l Exchange of Scholars
(CIES), which administers the
program. This half-day faculty
workshop will clarify the Senior
Fulbright grant program with
in-depth explanation of the
application and screening
process.

Date: Apr 24, 1-4pm
Place: The Campus Club, Dale
Sheppard Rm, CMU

Contact Julie Nester, OIE, 624-
5580, for details.

HOW TO OBTAIN PRELIM QUESTION

The Graduate Student prelim
question taken on Apr. 6, 1989
will be graded by Mon., Apr.
17. This is the same day as the
Monday Night Discussion of the
question (see calendar above).
Graduate students may pick up
their exams and grades from
Evonne Kuyper on Monday
morning, Apr. 17, after 10am.
This short time frame between
grading and discussion is
necessary to include all graders
in the discussion prior to
sabbatical leave commitments.

GSC wishes to apologize for
any inconvenience experience
by graduate students in
obtaining the exam question on
Apr. 6.

MERIT AWARDS TO BE ANNOUNCED

GSC will announce the
recipients of Merit Awards in
the first week of May.

FELLOWSHIP OPPORTUNITY

The Dept. of Hort. Sci. can
nominate one graduate student
for a Graduate School Doctoral
Dissertation Fellowship for
1989-90. This is a \$10,500
award for 12 months beginning
Jul. 15 or Sep. 15, 1989. It also
includes the academic degree
tuition for thesis credit or
student status registration. It
also includes a \$500 travel
grant for making a presentation
at a professional meeting.
Written and oral preliminary
exams must be completed by
May 5, 1989 and all course
work must be completed by the

end of Spring Quarter, June 10, 1989. Please see the Graduate Student Bulletin Board or Evonne Kuyper for further requirements and application procedures.

Applications must be completed and turned into the Graduate School by May 5, 1989.

GRANT AVAILABLE

Doctoral Dissertation Grants are also available thru the Graduate School Special Grant process. The Jessamine Allen Grant is available for Minority Students. Please see the Graduate Student Bulletin Board and Evonne Kuyper for further requirements and application procedures.

Applications must be completed and into the Graduate School by May 12, 1989.

NEWS FROM MORRIS

Memo To Dr. Bartz from Morris Exp. Sta.:

"The West Central Experiment Station at Morris will continue to be a location specific site for horticultural research that can benefit from the Station's soil, climatic, and geographical conditions.

"The Station will provide a Senior Plot Coordinator and student help as needed. Steve Poppe, Senior Plot Coordinator, will provide year-around coordination, execution, and supervision of all horticultural research. I request that your faculty that plan research at Morris include Steve in their planning process so the Station is aware of pending needs such as labor, equipment and land. He will also supervise part-time students during the spring and fall as needed and usually three

(3) full-time students during the summer.

"The usual research equipment will be provided. Specialized equipment will be discussed as needed.

"The Station expects to support the Horticulture Department's research program into the future to the benefit of the department, the industry, and the state. If you have any questions or clarification, please call me."

RETIREMENT LUNCHEON

Reminder:

The St. Paul Campus Retirement Recognition Luncheon will be held Tue., May 9 at the Earle Brown Center. The luncheon honors retirees from all St. Paul Campus units. The program consists of a buffet lunch, a brief recognition ceremony and reception. The buffet opens at 11:30am and the program begins at 12:30pm. The cost of the luncheon is \$3.00. Tickets must be purchased in advance from your Laura in 305 AldH.

Don't miss this opportunity to wish your retiring colleagues well and have the best \$3.00 lunch in town.

SEED VAULT IDEAS SOUGHT

Dave Davis (chair), Don White and Pete Ascher are developing use policy for the new seed vault. Please direct any ideas to one of them. Thanks.

ERRATA

Chad Finn was a major contributor to the funded grant proposals that were attributed

to Emily Hoover in last week's Twig Bender. Sorry about the oversight, Chad.

KEEP IT CLEAN

Over last weekend, person or persons unknown left the back door to the office open and left the coffee room in a state of disarray. Please try to be more circumspect if using the facilities over the weekend. Thank you.

MOROCCO BOUND

Wesley Hackett will travel to Morocco for a doc defense from May 3-16. Steve Clarke will pay an administrative visit to Morocco from May 8-27.

MORSE AWARD RECIPIENTS

Donald H. Otterby, Animal Sci., and Steve R. Simmons, Agronomy, are 1989 recipients of the Horace T. Morse-MN Alumni Association Awards for Outstanding Contributions to Undergraduate Education. Way to go!!

QUOTE

"Why do I do what I do?"

When Pete Norton, designer of the Norton Utilities Program was asked this question, his reply was: "As a kid, I loved those things on your coat that were supposed to keep you from losing your mittens. Who else would design a program to find information "lost" in your computer and then build a business on it?"

* * *

Have A "Gloves-On" Week!

twig bender

Volume 7/#15/April 21, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES APR 24-28

- MON- Monday Evening**
Discussion: *Modification of Endogenous Cytokinin Levels in Developing Zea mays* Kernels, Ken McNeil, 7pm, 394 AldH
- TUE - Department Coughing Hour**, Hosts: Marna E. Ericson & David W. Davis, 2:30pm, 394 AldH (*Whoops! That should say "Coffee Hour". Sorry.- Ed.*)
- Children's Book Author Gail E. Haley accepts 1989 Kerlan Award. See news item below for details.
- WED- Civil Service Meeting**, 9:30am, 394 AldH
- Discussions In Incompatibility, 2pm, 398 AldH (topic not available at press time)
- Plant Hardiness Discussion: *Changes in Cell Wall Extension in Response to Dehydration in Pea Seedlings*, Paoyang Chu, Noon, 398 AldH
- SAT - Arbor Day Festivities**, Noon-3pm, Arboretum. Press release sez: "celebration will...commemorate the 200th anniversary of (George Washington's inauguration)". Baffled? See news item below for intriguing details.

* * *

MORE DETAILS CONCERNING SELECT CALENDAR ITEMS

First, the "Gail Haley Ceremony": The only thing this has to do with horticultural science is that Vicki Anderson, who works in the Hort office, asked *Twig Bender* to mention it. (Absolutely no monies exchanged hands. This is being done strictly as an glowing act of charity.)

Anyway, Ms. Haley - whose work (though doubtless of the highest caliber) remains a mystery to us as we go to press - will present a lecture at 4:15pm in the Radisson University Hotel, 2nd floor, East Bank campus. An autograph session will follow, by which time it should be revealed precisely what Ms. Haley's involvement in children's literature is.

As to the **Official State of Minnesota - Arboretum Commemorative George Washington / Arbor Day Tree Planting**: we have not received word as to whether or not such celebrated Minnesota denizens as Rudolph G. Perpich or Barbara Flannagan will be in attendance, however the Arboretum boasts the impending participation of animated characters "Woodsy the Owl" and "Elmer the Elm".

In other words, bring the kids. After the **Official State of Minnesota - Arboretum Commemorative George Washington / Arbor Day Tree Planting** is officiously over, "family activities" will take place, such as walks through the woods, a children's scavenger hunt (perhaps searching for those lost in the woods), and

guided tours. As if this wasn't enough, each child will pot a tree to take home (presumably young seedlings as opposed to mighty oaks) and **Official State of Minnesota - Arboretum Commemorative George Washington / Arbor Day Tree Planting Posters** will be dolled out.

For further information, the Arboretum may be reached at 443-2460. See you there.

(For more hints in ways to distract your children, see "Kids Grow Stuff At Arb," below.)

* * *

JUST WHEN WE WERE STARTING TO TRUST PEOPLE

We are unhappy to report that a purse was recently stolen in Alderman Hall. The purse was later recovered, but without credit cards and, as our informant puts it, "fortunately very little cash". Well, whether you consider your cash valuable or not, why tantalize susceptible Alderman occupants/transients with an easy steal? Sure, it's "stealing purses" today (a horrid act, as we can all attest) and, before you know it, "running for public office" tomorrow! So, be on your guard. Watch your p's and q's. Lock your car, take your keys. Don't talk to strangers. Vote the straight party line and never take "no" for an answer.

(We were flagging behind on our public service announcements. This should bring us up-to-date. - Ed.)

MORE THIEVERY?

All carts with "used soil" from 201 AldH should be returned to the greenhouse as soon as possible.

If the carts were *stolen*, which would hardly surprise our now-cynical editorial staff, they may never resurface. We hope this is not the case. (One envisions some very antisocial deviant pushing a wheelbarrel across campus, loaded to the rim with stolen purses, to say nothing of the pilfered "used soil".)

By the way, how come this world-class agricultural campus can't afford brand new soil? Those purse strings can't be that tight. (An issue to direct to N. Hassellmo at his next open forum.)

* * *

WE KILL BUGS DEAD

Organic growing may be the wave of the future, the greenhouse is still sticking to its guns and drenching all greenhouse plants with a shower of insecticide. (Don't forget, "without chemicals, life would be impossible". A lot of us think it is anyway, but that's beside the point.)

The lethal *hors d'oeuvres* will be served to the hapless pests on "Tuesdays and Thursday". Don't tell the bugs, we want it to be a surprise!

* * *

FLORICULTURE THRIVES

The University of Minnesota was well represented at the Intercollegiate Flower Judging and Design contest at New

Mexico State University. Team members included Sue Bigelow (who walked away with first prize in the "Flower Design" category!), Amy Burtis, Susan Cargill, Ann Mitchell, Rhonda Sherman, and Margaret Shore. This lively group of undergraduates showed the 15 teams gathered for the contest that floriculture is alive and thriving at the U of M. Congratulations to the team and thanks to the Hort Club and the department for the financial and moral support provided to the team.

* * *

STEAM SHUT-DOWN

Physical Plant cheerily informs *Twig Bender* that steam service will be shut-down on Sat., Apr. 29, in order to do some work on the substation. This may entail a loss of heating, hot water, distilled water and other steam-related services. As if this wasn't unpleasant enough, all non-critical ventilation and building lighting will be shut-down in order to reduce the electrical load.

On a conciliatory note, Physical Plant announces that critical electrical lines will not be shut off. Nevertheless, all non-critical electrical equipment "should be" shut down by staff in advance and no activity planned for this date.

One question: who decides what constitutes a "critical" use of electricity? For example, if we don't get our high-octane coffee/sludge in the a.m., we're sluggish the rest of the day. One more for Hassellmo to explain.

If you are steamed and want the

shut-down postponed, please inform Laura Kalisch in 305.

* * *

UNPRONOUNCEABLE, BUT DELICIOUS IN A WHITE WINE SAUCE OVER FRIED RICE

The Center for Alternative Plant and Animal Products will co-sponsor a symposium on *shiitake mushrooms* on May 3-5. History, production, marketing and economics of the *shiitake* industry will be covered, and new food products will be discussed. Faculty, staff and students may register for a reduced fee of \$50. Information: phone Cathie Bergum at 625-2722. Better ask someone how to pronounce "shiitake" before you phone or you may disgrace the entire department.

* * *

THE DELICATE BALANCE BETWEEN ADVISORS AND STUDENTS

A lecture entitled, "Changing Students - Changing Advisors," will be presented by Virginia N. Gordon on May 3, 4pm, East Wing of the Campus Club, CMU.

Preceding this address, the 1988-89 John Tate Awards for Excellence in Undergraduate Advising will be presented at 3:30pm. The normal semi-restrictions against students wishing to enter the semi-exclusive Campus Club will be waived for these events. (We hope they know what they are doing!)

* * *

(one more page)

**WHY SHOULD UTAH
GRAB ALL THE ATT'N?**

The U.S. Department of Energy's "Office of Basic Energy Sciences" (OBES) is soliciting proposals directed at researching biological mechanisms and organisms upon which future biotechnologies involving energy are to be built. For more information, contact OBES at 301-353-2873.

They are also interested in a more flattering acronym. Any ideas?

* * *

**TRAVEL REQUESTS
DUE**

Anyone planning to attend scientific meetings (i.e. ASHS, etc.), work in other labs, or apply for any type of travel grant from GSC through the spring of 1990 should submit a travel request to Evonne in 305 by Apr. 28. She'll be delighted to give you your walking papers.

In addition, if anyone applied for a merit award, GSC will announce award recipients during the first seven days in May.

* * *

**FREE FOR THE
ASKING**

The *African Development Review*, a spanking new professional journal published by the African Development Bank and focusing economic and social development issues (particularly those concerning Africa), is available free of charge in June and December, 1989. (After that, an unspecified fee may be involved.)

Articles for publication/inquiries may be addressed to: Dr. A. London, African Development Review, Dev. Res./Policy Dept., African Dev. Bank, 01 B.P. 1387, Abidjan 01, Cote d'Ivoire.

* * *

**KIDS GROW STUFF
AT ARBORETUM**

Registration is open for this year's 'Children's Garden' program at the Arboretum. Kids aged 8-12 have the opportunity to plant and tend their own garden plots, then take home what they grow.

If your dinner plate seems sparse of food these days, send Johnny to Chanhassen to raise those onions, tomatoes, beans, peppers, lettuce, zucchini, corn, etc. your family needs to sustain life. Get your child to stop tossing tantrums and have him toss a salad for a change. Not only will things be more restful on the home front, you'll be eating better, to boot.

The Arb program also involves activities with terrariums, herbs, worms, weeds, flower-arranging and scarecrow construction. Sound like fun? You bet. Especially if you instruct Johnny to leave those worms and weeds at class.

Twelve two-hour classes will be presented beginning April 29. Classes during the spring meet on Saturdays; summer classes meet one weekday morning per week. That mean at least 24 hours - ONE FULL DAY - of quiet time for Mom.

For an informational brochure and application, call the Arboretum at 443-2460.

* * *

**DO SERIOUS GRADS
READ TWIG BENDER?**

Twig Bender has reported several hundred grant opportunities in its day. This is the first time we've discovered an announcement soliciting applications exclusively from **serious** grads. Lucky **serious** grads who apply to the Professional Plant Growers Scholarship Foundation could walk away with a \$2,000. Clearly, we're talking **serious** money here.

They mean **serious** business. Your proposal for research outside of the U.S. will be **seriously** scrutinized for scholarship, character, integrity and maturity as will - so says the announcement - EACH APPLICANT! Not only that, you will be expected to submit a **seriously-written** report upon your return, impressing the foundation with your scholarship, character, **seriousness**, etc., etc.

This could be the hardest money you ever worked for but, **seriously**, without grant money much research would be impossible (see "Bugs" item above). So give this opportunity some **serious** thought and let Laura in 305 know if you're **seriously** interested.

Don't worry. *Laura* won't even expect you to wear a tie.

* * *

**Have A Loose Week.
Seriously.**

twig bender

Volume 7/#16/April 28, 1989

Editor: Nils Hasselmo's Cousin Izzy

Horticultural Science & Landscape Architecture

305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES MAY 1-5

MON- Monday Evening
Discussion: *An Apple
Scab Monitoring System
For Minnesota Orchards*,
Doug Foulk, 7pm, 394
AldH

TUE - Master's Thesis Seminar:
*Effects of Temperature,
Photoperiod, High Quality
and Plant Growth
Substances on In Vitro
Potato Tuber Size*, Felix
Fares, 9am, 394 AldH

- Department Coffee Hour,
2:30pm, 394 AldH

WED- Stress Physiology Journal
Club: See Hardiness Lab
bulletin board for paper
and meeting room, Noon

- Wednesday Seminar:
*Induction of Plant Cold
Hardiness*, Paul Li, 4pm,
415 AldH

FRI - Plant Hardiness
Discussion: *Cold
Resistance In Grapes and
Other Fruits in Inner
Mongolia*, Lixue Wang,
Noon, 398 AldH

* * *

BIRTHDAY

Melinda Mitchell and Frank
Treadwell are the proud parents
of a bouncing baby boy,
"Mitchell Alexander," who made
his debut Apr. 25 at 8:25am.
Mitchell weighed-in at 7 lb, 11
oz.

Congratulations!

*Did any secretaries other than
J.H. receive "Secretaries Week"
honorariums? Twig Bender is*

*planning to prominently list all
benefactors.*

FINANCE YOUR VISITING PROF

Anyone interested in support for
visiting professors should apply
to the Graduate School, 325
Johnston Hall, on or before Oct.
23. (Preliminary applications are
being solicited in order to
promote the kind of timely
planning necessary to attract
truly prominent visitors. *Rumor
has it that Gorby's on the short
list.*) See Laura in 305 for full
details.

AWARD GRANTED

Karl Sauter has been granted
the 1989-90 Anderson Fellowship
award to advance his studies.
Congratulations Karl!

AWARDS GRANTED

While we're at it, we'd like to
similarly congratulate the
recipients of Merit Awards by
the Graduate Studies Committee:
Neil Anderson, Alicia Borowski,
Brent Bushnell, John Dole,
Michael Evans, Chad Finn,
Richard Harrison, Patty Hung,
Kathryn Louis, Laura Minsk,
David Rubino, Joann Stapfer,
and Rick Stapfer.

Congratulations to all!

PERSONAL PERESTROIKA

Angie Klidzejs will be leaving
the accounting office after 12
years of loyal service. (What a
surprise. One more month and
she would have been eligible for
the commemorative cummerbund.)

In honor of Angie, an ice
cream social will take place
May 5, 3:30pm, 394 AldH. (In
addition, Angie will be toasted
at a special happy hour, the
same day, at Gatsby's.) If you
would like to attend the social,
please let Fernande in
Accounting know what manner
of treat you will be bringing.

*Our spell-checker stopped for
"perestoika," but not "Klidzejs"!
Will wonders never cease? (We
also would like to know if the
"Wonder Years" will ever cease.
That, and "Thirtysomething"
appear to be the most over-
rated shows in the history of
television.) - Ed.*

ONCOMING COLD FRONT

Absorption chillers for
Alderman will be started,
temperatures requiring, on May
8. Free popsicles will be served
in commemoration. (*A bald-
faced lie - Ed.*)

ONCOMING RECEPTION

The social committee announces
the J.F. Bartz career change
celebration. Mark your
calendars for Friday evening,
June 23. More info will be
forthcoming.

ONCOMING SLUMBER

Mary Stuart would like to
borrow or rent a crib for next
weekend when her nephew
David is bringing his parents
with him to visit her.

* * *

Have A Great Week!

twig bender

Volume 7/#17/May 5, 1989

Editor: Betsy North's Nephew Zippy

Horticultural Science & Landscape Architecture

305 Alderman Hall/Saint Paul, MN 55108

A Note To Our Readers: We regret to announce that Twig Bender is sillier than usual this week. However, keeping the best interests of our readers at heart, we've indicated which items deserve your kind attention by posting the words "Skip This" at the tops of items you would be better off by not reading. This should save the average reader approximately three minutes and 28 seconds of reading time, and for you slow readers, even more!

It's just one more way of showing that we really care, and has nothing whatsoever to do with the fact that we will be slapping subscribers with a rate increase in the near future.

- Ed.

*

DATES AND TIMES

MAY 8-12

MON - Monday Evening Discussion: *Allelopathic Effects of Temperate-Zone Trees*, Michael Heim, 7pm, 394 AldH

TUE - Plant Pathology Seminar is cancelled.

- Traditional 2:30pm Coffee Hour is not cancelled, as far as we know. 394 AldH.

WED - Graduate Studies Committee meeting, 8am, 398 AldH

- Special Seminar By Dr. William Miller (candidate for "Whole Plant Physiologist - Floriculture" position), 9am, 415 AldH

FRI - Plant Hardiness Discussion: *Dimensionless Numbers: Creation and Utility*, Noon, 398 AldH

- Final Defense: *A Graft-Transmissible Free-Branching Agent in Poinsettia*, John Dole, 1:30pm, 394 AldH

* * *

(Skip This.)

Twig Bender is elated to announce that **Brendan** ("I Am Not A Potted Plant") **Sullivan** has agreed to sort through the massive litigation involving our innocent little newsletter, now that his high-profile client **O. North** has been vindicated of nearly every charge directed at him via Iran-Contra (or, as **Dan Rather** likes to call it, the "Where Did The Money Go? Affair").

We hesitate to mention Mr. **Rather's** name in our preface (esp. in the lead paragraph!) after his embarrassing emasculation last fall by then-candidate **G. Bush** (we haven't forgotten, Dan!). We wish to stress that this newsletter has no connection with Mr. **Rather** and the Eastern Establishment Press (put down that phone, Senator Helms!).

In light of our disassociation with Mr. **Rather**, we simply cannot understand why those pesky lawsuits and catcalls continue to be leveled at our modest little rag.

Thank goodness Mr. **Brendan** ("I Am Not A Potted Plant") **Sullivan** has agreed to file our briefs and basically clean Twig Bender's litigious laundry. He'll put the starch back in our

defense and set our spin control on extra-dry. After months of being hit with charges with "misappropriation of intelligence" and "obstructing common sense," this weekly looks forward to being vindicated of all charges, counter-charges, and counter-counter-charges. So what if we invested \$13,800 in bolstering the security system at our office? If our readers weren't so hostile, we'd probably get by with a little barbed wire. But judging from the manner of missives we've received of late, that iron gate and drawbridge are entirely justified. Besides, **Physical Plant** threw in the croc-infested moat for free. (It was the cradenza that set us back.)

We look forward to a complete whitewash, er, moral vindication, and having our corporate personality categorized as "stoic" by **Nina Totenberg** on "MacNeil-Lehrer". And best of all, courtroom transcripts will be dutifully published here. (Martha, order us some more ink, will you?).

Until then, we thank you for your loyal support and for the **Bartles** and **James**. - Ed.

* * *

FAREWELL CLAMBAKE

Don't forget: Today (Friday, May 5) marks **Angie Klidzejs'** last day at Hort's Accounting Office. All readers are encouraged to attend her royal send-off at "Gatsby's" (an establishment bearing no resemblance whatsoever to **Scott Fitzgerald's** namesake, though Scott himself probably

would have frequented the joint, knowing him). The brouhaha gets underway at app. 4:30pm. Mention "Twig Bender" and receive a complimentary pretzel.

* * *

JOB WANTED

Mature, conscientious young college graduate with laboratory and greenhouse experience needs summer work. Lab. Tech. experience including electrophoresis and misc. lab work; emasculation-pollination and greenhouse care of plants; computer literate, competency in German; willing worker and learner. Available 5/29/89 through 7/30/89. Contact Trish White c/o D.B. White at 4-9206.

* * *

STATES OF HEALTH

We are unhappy to report that Joni Stapfer's parents were involved in an auto collision on Thursday. As we go to press, they are in intensive care at Fairview Hospital, although their condition is improving.

*

Debby Neuman wishes to thank the department for the flowers sent to her daughter's bedside. (Eve's condition is improving.)

* * *

GREENHOUSE COOLING

White wash shading will be applied to the greenhouse sections during the week of May 8. Let Roger Meissner know by Monday, May 8 if your project does not want shading applied. Also, please refrain from parking between this greenhouse ranges during this time. This will be the only warning.

(Skip This.)
FUN FACT

Twig Bender could not be published in the Peoples Republic of China. The way things are going, it may not even be published in Alderman much longer. . .

* * *

VEHICLE ALERT

The dept. no longer has #3590 (the 15 passenger van). It was auctioned off by Vehicle Rental on April 22. If the need of a 15 passenger van arises please met Roger know in advance and he will flag one down for you.

* * *

(Skip This.)
JOB OPENING

. . . Twig Bender's mail. Munitions expert preferred. Apply within.

* * *

(Skip Bits Of This.)
NEW OFFICE

Roger Meissner will be sharing an office with Mary Stuart across from the classroom in the greenhouse headhouse. Both Roger and the answering machine can be reached at 3-3080 (if the machine is out, Roger takes the message). Why not try the number out today? Phone several times. Roger's happy to hear from people. He can also be reached at 4-3631 (Greenhouse). Tell 'em *Twig Bender* sent you. (On second thought, tell him **Scott Fitzgerald** sent you. Brendan's got enough on his hands, as it is. - Ed.)

* * *

(Skip This.)

Twig Bender wishes to thank **Babs Flanagan** for loaning us her boldface for this issue.

(A "boldfaced" lie. - Ed.)

* * *

INTERNATIONAL ACTIVITY SUPPORTED

No, this is not a message from Albert Hakim, it's an invite from the Office of Int'l Education to take advantage of their Faculty Grant Program, which offers healthy chunks of money (averaging \$500 apiece) to promote overseas research by U of M faculty. For further details, please see Laura in 305 AldH.

* * *

(Definitely Skip This.)
A MAN WE KNOW WRITES. . .

Dear Twig Bender:

I wish it known publicly that I have no intention of serving as your solicitor, and if you do not discontinue implying otherwise, I may have to take matters into my own hands and ask you to kindly step outside.

B. ("I.A.N.A.P.P.") Sullivan
Attorney-At-Law

(Ditto.)
TWIG BENDER REPLIES

Dear Mr. Sullivan:

Oh yeah? Well, in that case, you may consider our contract null and void.

Ed.

* * *

Have A Litigation-Free Week!

twig bender

Volume 7/#18/May 12, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture

305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

SAT - Spring Bedding Plant Sale (final day), sponsor: U of M Hort Club, 9am-5pm, Student Ctr

MON- Monday Evening Discussion: *Use of Organic Solvent Infusion of Fungicides to Improve Germination Sh2 Sweet Corn Seed in Cold, Wet Soils*, Patricia Hung, 7pm, 394 AldH

TUE - Department Coffee Hour, 2:30pm, 394 AldH (no one signed up as of press time)

WED- Stress Physiology Journal Club: *ABA Is Not the Only Stomatal Inhibitor in the Transpiration Stream of Wheat Plants* (from Plant Phys. 88:703-708), Noon, 207 Student Ctr

- Spring Quarter Seminar: *Size and Scale in Biology: Or Why All Mammals Get 1.5×10^9 Heart Beats*, Bud Markhart, 4pm, 415 AldH

THR- Floriculture Candidate Seminar: *Effects of Temperature on Plant Growth*, J. Erwin (Physiology cand.), 9am, 375 Borlaug

- Undergrad Affairs Cmte Mtg, 10am, 398 AldH

- Floriculture Candidate Seminar: *Sesquiterpenes & Host Plant Resistance* (Research sem.), C. Carter (Genetics-Breeding cand.), 1pm, 415 AldH

- Consultative Cmte Mtg, 2:30pm, 152 AldH

FRI - Floriculture Candidate Seminar: (Teaching sem.), C. Carter, 11am, 415 AldH

- Plant Hardiness Discussion: *Contribution of Root Systems to Drought Tolerance in Beans*, Pamela Sanders, Noon, 398 AldH

* * *

Twig Bender is in a rut.

Everyone knows that in order for any organization to survive in today's takeover-happy business environment, it has got to attract celebrity figureheads to its ranks.

Trouble is, truly desirable mercenaries invariably exact interstellar fees. Ex-beauty queen/Washington hostess/pseudo-journalist **Phyllis George**, for example, hustles Hormel's "Chicken By George" animal parts for more money than you can shake a gilet at.

Similarly, ex-actor/president **R. Reagan**, agreed to join the ranks of a Japanese concern for a figure greater than the nest egg he and Nancy accumulated over his eight years as Leader Of The Free World. Kinda makes the corporate salaries of other public figures (Phyllis George, for instance) look like chicken-feed.

Twig Bender can't dish out this kind of loot! To make matters worse, ever since last week's public slugfest with influential Washington attorney **Brendan ("I Am Not A Potted Plant") Sullivan**, America's cultural elite have avoided us like the plague.

In spite of this, our corporate raider has made quite a catch. This week, Twig Bender is happy

to announce the hiring of **C. Everett Koop**, who recently resigned as Surgeon General of the United States, to fill our newly-created slot of "Readers' Advocate".

With Koop on deck, the reputation of our flagship weekly should skyrocket! (We'll bet even Rupert Murdoch is jealous.)

What's more, Koop was snared for a song. He had only two stipulations: One, we can't smoke until he leaves the room. Second, he wants full editorial control over a weekly "box" in which to address readers.

Hey, no problem! That's the kind of deal a progressive publication like Twig Bender can live with. Admiral Koop's first contribution is printed below, free of Noriega-styled censorship. Welcome aboard, Adm. Koop! (We can see our circulation soaring to ethereal heights already!)

- The Editor

(FORMER) SURGEON GENERAL'S WARNING: READING TWIG BENDER MAY DESTROY BRAIN CELLS AND TURN YOUR HEAD INTO GUACAMOLE.

Note to readers: We regret to announce that Admiral Koop has decided to abandon ship effective immediately. - Ed.

* * *

FLORICULTURE CANDIDATE SEMINARS

Candidates for two Floriculture positions ("Physiology" and "Genetics/Breeding") will be speaking both this week (see calendar above) and next (see next page).

There will be a full faculty meeting on May 31, 9am, to discuss the candidates for both positions, with Search Cmte mtgs to follow. Individual meetings with the candidates can be arranged by signing-up in 305 AldH.

Upcoming Seminars (all in 415 AldH):

M. Bridgen - May 22, 9am.

M. Strefeler - May 22, 11am; May 23, 1pm.

R. Lebowitz - May 25, 1pm; May 26, 11am.

Further details will be in next week's Twig Bender.

ERRATA

Last week, *Twig Bender* confused Roger Meissner's new office number with his still-current greenhouse number. For the record, Roger's new office number is 4-3631 and the greenhouse number remains 4-3080. (Roger's answering machine is also at the office no.)

Darn sorry for the confusion.

RECENT HONOREES

On April 27, the following students were initiated into Gamma Sigma Delta, the Honor Society of Agriculture:

Horticulture

Lorin R. Bilhorn
Sydney A. Harrison
John A. Landsburg
Alan L. Lindstrom
Janet I. Starkson

Landscape Architecture

Thomas J. Kerby

Charles Stifter

Graduate Student

Patricia E. Hung

Congratulations to all!

REMEMBER THE VALDEZ

Att'n darkroom users: Don't dump your "fixer" down the sink. It contains silver which may harm the environment if not recycled. Please return used fixer to the photo lab in properly labelled containers. (They would also appreciate your old x-rays.)

See Toni at the photo lab if you have any questions.

CIVIL SERVICE CMTE VACANCIES

Four vacancies are available on the University's Civil Service Committee. This is a presidential appointment (Hassellmo, not Bush) and means instant celebrity status for the lucky civic-minded types chosen.

For further info, please see the bulletin board in the back hall.

FAX FACTS

People taking advantage of the Experiment Station's FAX service are reminded to distribute the messages through Terri David in 204 Coffey. Please carefully check the FAX number before dropping it off, and confine all material to standard 8-1/2 X 11" format.

This service remains free of charge. (Terri can be reached at 5-7020 if you have questions or comments, and, even if you do not.)

UPCOMING ASHS- WCSH ANNUAL MTG

July 11-15 marks the dates Manitoba will play host to the next annual joint meeting of the American Society for Horticultural Science (North Central Region) and the Western Canadian Society for Horticulture.

Please see Laura in 305 AldH for further information.

TRANSLATION, PLEASE

As proof that *Twig Bender* really does encourage submissions from its readers, we reprint the following allegedly-significant French phrase:

"Qui Laboures arbres les prie de porter, quiles fume les supplie, qui lestaille les contraint."

Columelle

Forney Eugene, 1825
"Le jardin Fruitier"

*Can anyone translate this for us?
(We'd like to know if we've just violated any laws. - Ed.)*

* * *

**Have The Kind Of Week
That Would Annoy
The Surgeon General!
(We Won't Tell.)**

twig bender

Volume 7/#19/May 19, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Floriculture Candidate Seminar: *In vitro* Procedures For Floriculture Crop Improvement, M. Bridgen (Physiology cand.), 9am, 415 AldH

- Floriculture Candidate Seminar: *RFLP's in Grapes - Preliminary Results*, M. Strefeler (Genetics-Breeding cand.), 11am, 415 AldH

- Monday Evening Discussion: *Enzyme-Immunoassay For the Determination of Free and Conjugated Abscisic Acid*, Stephen Ryu, 7pm, 394 AldH

- Philip C. Hamm Memorial Lecture: *Bacteria Inside Healthy Plants - Properties and Role*, Anne Vidaver, 7:30pm, 335 Borlaug

TUE - Workshop: *How To Model It*, Karl A. Smith & Anthony Starfield, 8-10:30am, Campus Club East Wing (see news item below)

- Floriculture Candidate Seminar: (Teaching sem.), M. Strefeler, 1pm, 415 AldH

- Open Forum: *Increasing Role of Women in Science*, Anne Vidaver & Susan Harlander, 1:30-3pm, 306 Borlaug

- Life Sciences Undergraduate Research Symposium, 1:30-4pm, Biological Sciences Ctr (bsmt) (see news item below)

- Department Coffee Hour, 2:30pm, 394 AldH (no one signed up as of press time)

WED - Graduate Studies Cmte Mtg, 8-10am, 398 AldH

- Spring Quarter Seminar: Seminar postponed until fall.

THR - Floriculture Candidate Seminar: *Genetics of Somatic Variegation in Coleus*, R. Lebowitz (Genetics-Breeding cand.), 1pm, 415 AldH

- Alderman Project (landscaping in front of bldg.), 4pm (wear work clothes & gloves)

FRI - Floriculture Candidate Seminar: (Teaching sem.), R. Lebowitz, 11am, 415 AldH

- Plant Hardiness Discussion: *CO₂ Gradients in Time and Space*, N. Chaisompongpan, Noon, 398 AldH

* * *

HOW TO MODEL IT: A COOPERATIVE LEARNING WORKSHOP (See Calendar)

Learning in all disciplines involves constructing models, investigating ideas and developing problem-solving skills. Tuesday's workshop is a modeling approach to problem-solving skills and will be presented in an active, cooperative learning format. Faculty interested in attending should phone 625-0088.

* * *

LIFE SCIENCES UNDER- GRAD RESEARCH SYMPOSIUM (See Calendar)

Tuesday, the Honors Program of the College of Biological Sciences is sponsoring a research symposium including the following topics: cloning of yeast cells, differentiation of retinal cells, vaccine for lyme disease, control of flowering in morning glory, and others. Oral presentations are from 1:30-2pm, with poster session running from 2-4pm.

* * *

FLORICULTURE CANDIDATE SEMINARS (See Calendar)

Candidates for Floriculture positions in "Physiology" and "Genetics/Breeding" will continue speaking this week.

There will be a full faculty meeting on May 31, 9am, to discuss the candidates for both positions, with Search Cmte mtgs to follow. Individual meetings with the candidates can be arranged by signing-up in 305 AldH.

* * *

FUNDING RECEIVED

The Blandin Foundation Early Stage Technology Development Fund has provided support to Wes Hackett & Carl Mohn for researching "A Commercially Feasible System For Propagating Aspen From Roots," and to David Davis and David Andow for their research in, "Commercialization of Newly Developed Insect Resistant Sweet Corn Germplasm." Congratulations to all!

* * *

NEW DOCTOR

John Dole passed his doctoral on May 12. Congratulations, Dr. Dole!

* * *

NEW PROFESSOR

On May 12, the Board of Regents approved an appointment change for Luther Waters from Associate Professor to Professor. Congratulations, Dr. Waters!

* * *

NEW BABY

Mary Joyce and family had a baby girl on May 15, weighing 7 lb. 11 oz. (*Name unavailable at press time.*) Congratulations!

* * *

WORK IN GAMBIA

Horticultural research in The Gambia is an opportunity available to grad students with a working knowledge of French and an interest in helping The Gambia attain self-reliance and increase its agricultural productivity. Interested? Please see Laura Kalisch.

* * *

FACULTY WANTED TO WORK WITH MINORITY STUDENTS

The 1989 Minority Scholars Development Program has the laudable goal of establishing student/faculty relationships that introduce minority students to a chosen discipline, helping assess the student's potential for graduate work. A research stipend

of \$500 will be allocated to participating faculty members. If interested, please see Laura.

* * *

PLEASE SEE US

Ron Hadsall is encouraged to introduce himself to the main office staff (305 AldH). We receive plenty of messages for him, yet can't quite place the face.

* * *

CALL FOR HONORS

Extension Specialists are reminded to forward information concerning special recognition, honors, and awards received by Extension faculty this past year to Julie Medbery, 240 Coffey Hall, so that the Honors Committee may list honorees in the 1989 recognition and honors booklet. This must be done by June 23. Thank you.

* * *

REQUEST FOR PROPOSALS

The Greater Minnesota Corporation and its Agricultural Utilization Research Institute is awarding grants of up to \$100,000 to fund projects that will reduce the use of petroleum products on Minnesota farms. For details, please see Laura.

* * *

WALALI PASSES

Wes Hackett's trip report of his Morocco visit (May 2-14) says that Dou Walali unanimously passed his doctorate thesis final exam on May 11, resulting in much celebration.

* * *

ATHLETIC KUDOS

Congratulations to two athletes in the dept.:

To Laura ("Move-Over-Flo-Jo") Kalisch, who ran her first 10K race ever, last Saturday, and came in first in her age group!

To Phil Allen, who came in 10th overall (out of 800) in the Syttende Mai race last Saturday. He ran the 16.2 miles at an average pace of 5 minutes 53 seconds a mile, and he beat Dick Beardsley.

* * *

FOR SALE

To go along with past advertisements for such as kittens, radios, used autos, the Twig now features the notice of a washer & dryer (used only on cloudy days) for sale. Please see Jim Bartz.

* * *

Have A Wrinkle-Free Week!

twig bender

Volume 7/#20/May 26, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES

MON- Memorial Day.
University holiday.

TUE - Project Sunrise seminars, 10am-4pm, Northstar Ballroom, Student Ctr

- Graduate Students Meeting, 11am, 394 AldH (Discussion of floriculture candidates)

- Department Coffee Hour, 2:30pm, 394 AldH (no one signed up as of press time)

WED- Faculty Meeting, 9am, 394 AldH (Discussion of floriculture candidates)

- Project Sunrise seminars, 10am-4pm, Northstar Ballroom, Student Ctr

- Stress Physiology Journal Club, "Cytosolic calcium regulates ion channels in the plasma membrane of *Vicia faba* guard cells" (Nature 338:427-430 [1989]), Noon, Student Ctr

* * *

CANDIDATE APPRAISAL

Candidate appraisal forms for both Floriculture positions are available from Martha in 305 for those who didn't get one.

* * *

PLANT GIVEAWAY

The TRE Nursery has some extra Bare root Dolgo Crab Apple Trees and some Charles Jolly lilac we would like to give away. If you are interested, come to the basement of the Head house between 12:00 and 12:30 on Fri., May 26. Look for Jim Calkins or Bert Swanson.

* * *

NOTE: K & H RANGE USERS

Projects using the K and H ranges during the period of June 5-9 will be responsible for watering their research plants.

* * *

GARDEN PLOTTERS

Straw mulch is available at the hydrant area of the garden plots. This will help control weeds and keep the soil from drying out. Limit one bale per gardener while supplies last.

* * *

NEWBORN

Mike and Louise Heim had a baby girl on May 13 at 7:22am at Fairview Riverside. Jennifer Marie Heim weighed-in at 7 lb., 8 oz. Congratulations!

* * *

NEWBORN

Dr. Widmer is a grandfather. His daughter Linda had a 9 lb. a oz. baby boy named Phillip Martin on May 20. Congratulations!

* * *

GARDEN TOUR

Visit all or part of a select list of wonderful city gardens in the St. Anthony Park community on a self-guided tour. Pick up a map at the starting point, and enjoy a leisurely afternoon stroll. Just \$5 per person. Maps and tickets available Jun 4 at the St. Anthony Park Library, located at Como Ave. and Carter. For more info, contact Jane at 646-0565 or Ann at 645-2135.

* * *

TRANSLATION

In case you were wondering about that French item we ran a couple of week's ago, Nouredine Cheikh has provided the following translation:

"Those who plough around their trees, beg them to bear fruit, those who fertilize, implore them; and those who prune their trees, force them to bear fruit."

* * *

Have A
Great Week!

twig bender

MIW
H78t

Volume 7/#21/June 2, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUN 5-9

funded for two years.
Congratulations!

• • •

Have A
Restorative Week!

MON- Monday Evening
Discussion: *Cold
Hardiness of Rose sp.*
Laura Minsk, 7pm, 394
AldH

• • •

ROOMMATE NEEDED

Gina Fernandez needs a female
roommate for the ASHS
meetings in Tulsa this summer.
If you need a roommate please
leave your name in Emily
Hoover's mailbox.

• • •

WALKING TOUR

Reminder: Self-guided tours of
city gardens in the St. Anthony
Park community will take place
Sun., Jun 4. Participants should
pick up a tour map and buy
their tickets on Sunday at the
St. Anthony Park Library,
located at Como Avenue and
Carter. Info: 646-0565, 645-
2135.

• • •

4-H BLDG RESTORATION

The 4-H Club is seeking
donations to finance the
restoration of the "Minnesota
4-H Building" on the Minnesota
State Fairgrounds. (You know
the place: it's where to buy
fresh apples during the fair
and examine pollination
exhibits.) Well, the building's
50 years old, and 4-H'ers hope
to remodel the first and third
floors. The tab will run
\$150,000. If you are able to
contribute, the campaign
welcomes all contributions, no
matter how small.

If interested, please contact
James J. Lewis at 340 Coffey
Hall. Phone: 625-7746.

TUE - Ph.D. Seminar:
*Establishment of
Esterase and Peroxidase
Isozymes as Genetic
Markers for a Genetic
Linkage Map of Tuber-
Bearing Solanum.*
Barbara E. Liedl, 9am,
394 AldH

- Ph.D. Seminar: *Rapid
Generation Cycling and
Inbreeding Depression in
Chrysanthemums*, Neil O.
Anderson, 1pm, 394
AldH

WED- Environmental
Physiology Journal Club:
"Mild Water Stress
Effects on Carbon-
Reduction-Cycle
Intermediates, RUBCase,
and Spatial Homogeneity
of Photosynthesis in
Intact Leaves" (Sharkey,
T. & J. Seeman, *Plant
Physiol.* 89:1066-1070;
disc. leader: Bud
Markhart), Noon, 108
Student Ctr (Note:
Journal Club will cont.
to meet through the
summer.)

• • •

FUNDING AWARDED

USDA Competitive Grant
Proposal by W.P. Hackett, A.G.
Smith and J.R. Murray entitled,
*Molecular Basis of Differential
Anthocyanin Accumulation in
Juvenile and Mature Ivy*, was

twig bender

Volume 7/#22/June 9, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUN 12-16

- MON- Ph.D. Seminar: *Effects of Long-term Selection on the Performance of a Semi-Exotic Population of Maize*, David B. Rubino, 1pm, 394 AldH
- TUE - Staff Meeting, 8:30am, 394 AldH
- WED- Graduate Studies Cmte, 8-10am, 398 AldH
- Environmental Physiology Journal Club: *Mild Water Stress Effects on Carbon-Reduction-Cycle Intermediates, RUBCase, and Spatial Homogeneity of Photosynthesis in Intact Leaves* (cont.), (Sharkey, T. & J. Seeman, Plant Physiol. 89:1066-1070; disc. leader: Bud Markhart), Noon, 108 Student Ctr

* * *

CORRECTION

Last week, *Twig Bender* confused the 4-H Bldg on the State Fairgrounds with the Agricultural-Horticultural Bldg. The 4-H Bldg (which is undergoing renovation) is, in fact, located near the Education Bldg. Reminder: if you'd care to contribute towards the renovation, please contact James J. Lewis at 340 Coffey Hall. Phone: 625-7746.

* * *

BARTZ BASH

Readers are invited to participate in a celebration for Dr. James Bartz and Bernice Bartz as they prepare to leave

the Department of Horticultural Science to relocate in Ripon, Wisconsin, where they are building a new residence and beginning the expansion of Bartz Nursery.

The festivities get underway Jun 23, from 6pm-Midnight, at the Minnesota Landscape Arboretum located in Chanhassen. The cost is \$12.50 per person and includes dinner, mirth and revelry. Reservations for the evening can be made by filling out a reservation form available through Laura in 305 AldH. Checks should be made payable to the University of Minnesota. Reservations and gift contributions should be delivered by Jun 16.

* * *

GREENHOUSE NOTES

Projects will be responsible for watering their crops according to the following schedule:

Jun 19, 20 & the week of Jul 24
- Sections: G.F.E., Hotbeds, Cold frame

Week of Jul 3 - Sections: H & K

* * *

GMC PROPOSALS

Grant proposals to the Greater Minnesota Corporation are due Jul 7. See Laura in 305 for details.

Two suggestions from C.E. Allen are:

1) The link between public and private partnerships will probably be strongly favored.

2) It would be prudent, where appropriate, for University of

Minnesota faculty to also be cooperators on projects rather than always being the lead institution on the proposal.

* * *

CHILDREN'S HOSPITAL FUND RAISER

Myron Thornberry will be biking 150 miles to La Crosse in the KARE 11 Classic in order to raise money for Children's Hospital. If you'd like to help sponsor Myron's efforts on behalf of this worthy cause, please sign-up on the back hall cork board.

* * *

"DEPT." HAPPY HOUR

Owing to the good graces of Vicki Anderson and her brother Rick, the department has been invited to attend an unofficial happy hour at the Heartthrob Cafe, on Fri., Jun 16, at 4:30pm, in downtown St. Paul. Participants will be allowed two free drinks, free hors d'oeuvres, and free cover. All you have to do is tell the thugs at the door that you are with the "Rick Anderson Party," and you'll be whisked in so fast it'll make your head swim (assuming nothing else does). It sounds like a good deal to us, however we urge readers to respect the advice of former *Twig Bender* apprentice C. Everett Koop (see May 12 issue) and imbibe moderately. See you there.

* * *

Have A
Temperate Week!

twig bender

Volume 7/#23/June 16, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUNE 19-23

WED- Environmental Physiology
Journal Club: *Mild Water
Stress of Phaseolus
vulgaris Plants Leads To
Reduced Starch Synthesis
and Extractable Sucrose
Phosphate Synthase
Activity, Plant Physiol.
(1989) 89:1066-1070;*
Discussion Leader: Bud
Markhart; Noon, 108
Student Ctr

FRI - James Bartz Retirement
Celebration; 6pm-
Midnight; Arboretum (for
details, see Laura by Jun
16)

* * *

Groundbreaking ceremonies for
the Ghermezian brothers'
homage to mass consumption,
"The Mall of America" (formerly
known as the "Mega Mall"),
attracted so much attention that
a project closer to the hearts of
Horticulture students was sadly
overlooked.

Namely, "The Potato Garden of
the Universe" (PGU).

Kept under wraps until now,
PGU is being planned as a
natural extension of the so-
called "Alderman Project" (the
potato foliage near AldH's
entrance), to include real estate
exactly the width of Alderman
but literally extending from here
to Rapid City, South Dakota.

"It'll be the Ninth Wonder of the
World!" shouted Eskander, the
group's spokesperson and widely
regarded as the most reliable of
the Ghermezians. Upon being
reminded that he had already
referred to the "Mall of

America" as the "Ninth Wonder
of the World," Eskander replied,
"Alright, call it the Tenth
Wonder of the World! Do I look
like an accountant?"

(In truth, he does. But he left
before we could tell him.)

The project, certain to be as
great a boon to the landscaping
industry as the "Mall of
America" will be to local
construction workers, is rumored
to involve a silent partnership
with box game namesake and
itinerant presidential candidate
Donald Trump. A spokesperson
at Trump Towers denied this,
stating that Mr. Trump already
possessed "more Wonders of the
World than those Ghermezian
guys!" (sic).

"Furthermore, if Mr. Trump was
involved it would have been
named Trump Gardens, or
something swanky like that,"
insists our source.

Meanwhile, some University
officials suggest that the idea is
utter nonsense.

Right. That's what they said
about the "Mega Mall". See you
at ground breaking ceremonies!
- Ed.

* * *

IF YOU PLEASE, NEW PH.D.'S

Lots of new doctors among us.
The following graduate students
have spanking new Ph.D.'s:

Barb Liedl
Neal Anderson
David Rubino
Susan Stombaugh

Congratulations to all! We know
you will do the Department
proud.

* * *

JANE MC KINNON NEWS

Jane McKinnon had surgery at
United Hospital on Tue., Jun 6.
All went well, and she came
home June 10.

Other news: the McKinnon's
have sold their property and
look forward to moving to
Waveland, Mississippi by August
31.

Mrs. McKinnon says that her
garden was so lovely it was a
cinch selling the house.

* * *

WRITERS WANTED

Rose Jones, of the College of
Agriculture's p.r. dept., is
putting together a new
newsletter in cooperation with
the Agricultural Alumni Society
and invites contributions in the
form of feature stories, news
releases and photographs
intending to publicize our
department's activities. She can
be reached at 625-6267.

* * *

INTERNATIONAL RESEARCH FUNDED

Funds are available from the
USDA Office of Int'l
Cooperation for successful
"Proposals for Scientific or
Technical Exchange with Other
Countries". This is intended as
support for short-term
exchange visits between U.S.
and foreign scientists, as well
as int'l workshops & symposia,

among other projects. If interested, please see Laura. Applications are due Aug. 15.

for fiscal 1990. Applications must be submitted by Sep. 1, 1989. Please see Laura for details.

* * *

* * *

**OPEN LETTER
TO OUR
CHINESE STUDENTS**

Have A Mega-Week.

To the persons from China who are in our department:

We have followed the recent events in your country with dismay. We know the violence in Beijing has caused you to experience many emotions: anger at those who issued the terrible orders, and at the troops who carried them out; worry about friends and family who are at risk; helplessness because of the difficulty of doing something constructive while half the world away; sadness because of what this action will do to progress in China; uncertainty about what it may do to your own life plans; and grief for those who died.

We share your outrage and your sadness. We are your friends, and if there are ways that we can help, please ask us.

The faculty, staff and students of the Department of Horticultural Science and Landscape Architecture.

(As submitted 6/15/89)

* * *

**SMALL BUSINESS
RESEARCH PROGRAM**

The Federal Register of May 24 indicates some changes being made in the Department of Agriculture's "Small Business Innovation Research Program"

twig bender

Volume 7/#24/June 23, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUN 26-30

WED- Environmental
Physiology Journal Club,
Noon, 108 Student Ctr

* * *

TWINS CLIPPINGS

Any baseball fans interested in newspaper clippings of the Twins' climb to the world championship in 1987? If so contact Margaret Stahler ASAP.

* * *

RECEPTION FOR CANDIDATES

Lois B. DeFleur and Risa Palm, candidates for the position of Senior Vice President for Academic Affairs, will be guests at informal receptions to be held in the Campus Club. Dr. DeFleur's reception will be held on June 27 from 4:30-6pm, and Dr. Palm's reception will be held July 6, from 4:30-6pm. All faculty are invited to attend.

* * *

ASHS AWARDS

Two members of the Department will be awarded during the Annual Meeting of the American Society for Horticultural Science in Tulsa on July 31.

Luther Waters, Jr. will be presented with the 1989 ASHS Outstanding Extension Educator Award. This award is one of the Society's four major career awards recognizing exceptional contributions to horticultural science.

Harold Pellett has been elected a Fellow of ASHS for 1989. Dr. Pellett is one of eight Fellows-elect in the 25th annual class of ASHS members to receive this distinction.

Congratulations to both for attaining these significant honors.

* * *

THURSDAYS AT ARBORETUM

The Minnesota Landscape Arboretum is open free every Thursday after 4:30pm through the end of summer. In addition, the library and gift shop will be open late until 8pm on Thursday and the tearoom will be open until 7pm. A special tram tour is also offered Thursday evenings at 6 and 7pm. For further info, please phone 443-2460.

* * *

ELECTED ADJUNCT MEMBER

Dr. David D. Biesboer, Associate Professor of Plant Biology and Director of Graduate Studies, has accepted the position of adjunct member of the Dept. of Hort. & LA.

* * *

NEW PUBLICATION

'Andover' Parsnip, by David W. Davis, Francis L. Pflieger, and Mando A. Shehata. *HortScience* 24(3):521-522. 1989.

* * *

NEW NSF PUBLICATIONS

Two publications, *Publications of the National Science Foundation*, and *NSF's Guide to 1989 Programs*, have just been received. If you are interested in looking them over, please see Laura in 305.

* * *

FOR HIRE

An undergrad is looking for work. He would prefer research-oriented employment but will entertain any and all offers until July 16, when he will be going out of town. (He is available afternoons and evenings.) If you are interested in helping this young man out, he can be reached c/o Bud Markhart at 4-7705.

* * *

Have A Great Week!

twig bender

Volume 7/#25/June 30, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUL 3-7

MON- Civil Service Floating
Holiday. Office closed.

TUE - Fourth of July Holiday.
University closed.

WED- Environmental Physiology
Journal Club: *Phenotypic
Expression of Wild-Type
Tomato and Three Wilty
Mutants in Relation to
ABA Accumulation in
Roots and Leaflets of
Reciprocal Grafts, Plant
Physiol.* 87:190-194; Noon,
207 Student Ctr

THR - Forest Resources
Seminar: *Belowground
Processes - The Hidden
Half of Ecosystem
Ecology*, Kristiina Vogt
(cand. for open faculty
position in For. Res.),
3pm, 100 Nat. Res. Adm.
Bldg. (see below for
candidate calendar)

FRI - Band Concert, 7:15pm,
Arboretum (see below for
details)

* * *

CALENDAR FOR FOREST RESOURCES CANDIDATES

The Dept. of Forest Resources is interviewing four candidates for the F.B. Hubachek Chair in Forest Ecology. This endowed chair provides an opportunity to strengthen ecology and forest biology and horticulture faculty are encouraged to attend the upcoming seminars and meet with the candidates. Your input is important to the selection process and you may also use

the opportunity to introduce yourself as future partners in research.

The four candidates and the dates of their visits are: Kristiina Vogt (Jul 5-7); William Reiners (Jul 12-14); David Grigal (Jul 20-21); and Ernst-Detlef Schulze (Jul 31-Aug 2).

Anyone wishing to schedule a visit with a candidate should contact Carl Mohn at 624-7281.

* * *

ARBORETUM CONCERT

An evening of pop, light classics, show tunes, and marches will be presented by the U of M Band Alumni (60 current and former members of the U of M band program) July 7 at the Landscape Arboretum (see calendar above). People are invited to bring a picnic supper to enjoy before or during the concert. Boxed picnic suppers will also be available for purchase. A gate fee of \$3 per adult will be charged. A special tram tour will also be offered at 6pm at a charge of \$1.50 per rider.

For further info, phone 443-2460.

* * *

WATERING REMINDER

Projects using the K and H sections of the greenhouse are responsible for watering their plants the week of July 3, with the exception of Tuesday.

* * *

TRIATHLON COMING

! Watch Closely !
It is
FOR REAL!

HORT TRIATHLON TEAM IS COMING!

- adv.

* * *

IT'S A BOY

Tarik Adam Cheikh was born to Catherine and Nourredine on June 25 at 5:35am. He measured 21-1/2 inches and weighed 8 lb., 5 oz.

Congratulations!

* * *

ROOMMATE SOUGHT

Margaret Stahler is looking for a roommate who plans to attend the ASHS Annual Meeting in Tulsa, July 30-Aug. 3. If interested, please see Margaret.

* * *

NEW SYSTEM FOR PROJECTOR USE

We wish to announce the Grand Opening of five Horticultural Science "mini theaters" in room 415, 423, 394, 398 and 152 AldH. Each of these theatres contain a slide projector, screen, remote control and extra lamp. These rooms are fitted with a special power outlet to fit the same type of plug now fitted on the projectors. In an emergency, a

projector could be moved from one theatre to another but they will not work in areas without the special outlet.

Please report any malfunction or missing equipment to Dave Olson immediately so that it may be replaced.

Floating or loaner units will no longer be available from the third floor xerox room.

We hope this new system adds to your presentation and viewing enjoyment. Opening the Fourth of July weekend: "Laura Kalisch and The Last Crusade." Watch out for her new bull whip!

(As submitted - Ed.)

* * *

ONE MILLION BUCKS AVAILABLE

The Agricultural Utilization Research Institute is making available up to \$1,000,000 for Agri-Product Research Grants to support applied agricultural utilization research. Reminder: to be considered, applications must be delivered or postmarked by July 10, 1989. Forms and further details available from Laura in 305.

* * *

THE TRUTH ABOUT ESTROGEN

From "On the Edge of Common Sense" by Baxter Black, D.V.M.

One by one the manufactured mythical misstatements misrepresenting red meat by the malcontent muddied minded and the masked marshmallow media are vaporizing in the hot light of cross examination. Calories, cholesterol, additives and

antibiotics have been condemned by the screeching pitchmen for meatless fad diets. The Chicken Littles have tripped over themselves trying to get our attention and sell us their own nutritional package.

Scientific agriculture has patiently, steadily answered each accusation with a mountain of research and common sense. A good example is the work done by Snyder Company regarding the "hormone" mania. Estrogenic hormone implants have been used on steers as a growth stimulant. Uninformed talk show hosts and sly diet book authors have led the public to believe that eating implanted beef will prohibit puberty in little boys, enhance feminine development in six-year-old girls and make Tennessee Ernie a soprano.

Syntex took this amateurish calumny seriously, since they manufacture a widely used estrogen implant. It turns out that you can absorb more estrogen at a girl's basketball game than from eating implanted beef!

They conducted extensive comparative research regarding estrogen occurring naturally in foodstuffs. For you scientists, estrogen is measured in nanograms, which is one part per billion. . .one blade of grass in a football field. (Or, Paul Simon in a Moscow amphitheater - Ed.) They found less than one nanogram difference between implanted and nonimplanted steer beef; 2.59 nanos per 4 oz. of lean implanted beef.

They could have stopped the research there but curiosity drove them on. Skim milk has 37.5 nanos, au gratin potatoes has 600, split pea soup has 908, ice cream 1,387 and cole slaw

has a whopping 2,724 nanograms! Does this mean that cabbage-eating vegetarians will all have smooth skin and love to crochet? (Again, "as submitted". - Ed.) Can you imagine the sensationalistic scare publicity if it were discovered that implanted beef contained 1000 times more estrogen hormone than cabbage?

But that's not the point, is it? We are dealing with people who have an axe to grind. Their ability to sell pseudonutrition depends on buzzwords, innuendo and public ignorance. They are the '80s equivalent of Doctor Flim Flam and his Magic Elixir.

I'm proud of companies like Syntex who spend the money to back American agriculture. 'Specially when they make us look like such good guys.

* * *

COORDINATOR FOR PUBLIC PROGRAMS

Part time, permanent position to design, market and implement non-credit horticultural education programs for adults. Also legislative contacts and public events management for small non-profit. Work/volunteer experience with public audiences and strong communications skills required; Teaching experience, horticulture background recommended. Resumes to MN Horticultural Society, 1970 Folwell Avenue, St. Paul, MN 55108 by July 12, 1989.

* * *

Have A Safe
Holiday Weekend!

twig bender

Volume 7/#26/July 7, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUL 10-14

WED- Environmental Journal Club: *Phenotypic Expression of Wild-Type Tomato and Three Wilty Mutants in Relation to ABA Accumulation in Roots and Leaflets of Reciprocal Grafts* (cont.), Plant Physiol. 87:190-194; Noon; 207 Student Ctr

FRI - Ph.D. Seminar: *Germplasm Sources and Screening Methods To Develop Higher Soil pH Tolerance in Vaccinium*, Chad Finn, 1pm, 394 AldH

* * *

GARDEN PLOTTERS

Straw Mulch is again available for gardeners who wish to conserve soil moisture and control weeds. This time, the cost is \$1 per bale. Please leave payment in envelope in Jeremy Treadwell's mailbox. Thanks.

* * *

GRANTS FOR YOUNG SCHOLARS

The National Science Foundation's "Youth Scholars Program" is providing funds for grads with high potential. For full details, please obtain the red program announcement from Laura in 305. (Deadline is Aug. 21, 1989.)

* * *

NEW FILM DELIVERY PROCEDURE

University Film and Video are now making shipments through

the campus mail service, making it less expensive for customers to cover shipping costs. The new system costs 50 cents per title, each way. An astounding feat of fiscal legerdemain. Let's get these boys in the think tank at HUD. And perhaps later they can do something about the S&L mess.

* * *

A PAID ADVERTISEMENT ON BEHALF OF THE NEW & EXCITING HORT TRIATHLON TEAM

Carl, Phil and Bud test their abilities against the upper mid-west top athletes in the Aquatennial Triathlon, Sat., July 15 at Lake Nokomis. Starting gun goes off at 7am. Survivors at the starting line commence run immediately thereafter. Bystanders run for cover, reminding air-borne commentators of the Civil Rights riots of the late 1960's.

(Note to client: You won't be charged for those last couple of sentences.)

Anyway. . .representing the Departments, the College of Agriculture's and the University of Minnesota's tripartite mission of teaching, research, and extension, the triathletes encourage your support. WCCO will be there. Shouldn't you?

SEPARATE NOTICE

(Note to client: both notices will be billed on the same statement.)

Limited Edition
Hort Triathlon T-Shirts
Now Available For
Only \$10.00.

See Bud Markhart

258 Alderman

* * *

TRIPLE THREAT

Should our Triathlon Team score high marks during their Aquatennial run (see column left), they have agreed to pit themselves against three industrial heavyweights from Edmonton, Alberta: Eskander, Nader, and Raphael Ghermezian.

The Ghermezian Brothers (*aka "The Triple Stars"*), developers of a number of the wonders of the modern world (the exact number remains in dispute), hope to extend their "Mall of America" "ground-and-leg breaking" ceremonies to include a potato sack race across the expansive and treacherous length of their Bloomington, Minnesota property.

(The Ghermezians should present an exciting challenge, having recently completed grueling boardroom bouts in secret sessions with their long-time trainer and media booster Rudolph G. Perpich.)

Win, lose or draw, Hort's Triathlon Team have been promised 50 square feet of retail space in Tri-Star's Disney-esque five-and-dime in which they hope to peddle their by-then super-trendy and ultra-profitable line of Triathlon Team wearables.

All we can say is, "Yeah, team! We're thrilled to have you representing us and, since you are, don't forget we want a piece of the action!"

* * *

Have A
Proud And Profitable
Week!

twig bender

Volume 7/#27/July 14, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUL 17-21

SAT - Aquatennial Triathlon, Phil Allen, Bud Markhart, and Carl Rosen represent Hort Sci Dept at this Lake Nokomis race, 7am official starting time (readers are advised to come early, more info below)

WED- Environmental Physiology Journal Club: *Relative Sensitivity of Photosynthesis and Respiration to Freeze-Thaw Stress in Herbaceous Species*, (Importance of Realistic Freeze-Thaw Protocols), Plant Physiol. 89:1372-79, Noon, Student Ctr

* * *

Will Steger gets all the glory while our team is ignominiously ignored by the media.

At least, that's the conclusion that Twig Bender reluctantly arrives at after witnessing the love fest organized to wish the South Pole Expedition team good luck, while our own Triathlon Team flexes its collective muscles in the sidelines.

The surprising thing is, Steger & co. have yet to place one foot on Antarctica, yet hundreds of people queue up at Target in order to get their autographs! Sure, Steger is a native Minnesotan, but we've got three local boys in the race at Nokomis (see calendar above). Yet, they snare nary a word of print in the establishment press.

The Steger team shows up at department stores with a fleabitten mongrel and are mobbed by armchair cheerleaders. Our would-be Olympians conduct a "meet the team" sociable and what happens? - virtually nobody shows up. Despite the fact that they provided graham crackers and orange juice completely free-of-charge, the team remained spurned by a normally parasitic press corp.

To stretch credulity still further, the Steger team is as slow as molasses in January. While our Triathlon contenders struggle to serve as amateur-class role models, the Polar explorers admit they plan to "creep along" at a top speed of 30 miles per day! A laughable accomplishment compared to our Triathlon team's documented average speed of 15 miles per hour.

That's why Twig Bender is doing what it can to drum up some esprit de corps for our steroid-free standard-bearers.

So, get out to Lake Nokomis Saturday a.m. and show some support for Phil, Bud and Carl. They aren't putting themselves on the starting line for their own gratification. Far from it. They're doing it in order to "exemplify our department's commitment to the tri-part mission...of teaching, research and extension" (and only incidentally in order to trigger record sales of their complete line of Triathlon-related sportswear).

In order to spur these upstanding young men to

victory, Twig Bender has arranged to present our team with a long-overdue advertising bill at the start of the race.

Considering the awesome penalties that have mounted up, our heroes should cross the finish line in record time! See you there. - Ed.

* * *

HORT TRIATHLON RELAY

Team struts their stuff Sat., July 15 in the Aquatennial Triathlon. Race time is 7am with action, action, action (shortly thereafter followed by traction, traction, traction) at Lake Nokomis. Come watch the fun and see Bud in his Speedo! (Ed. Note: submitted anonymously)

* * *

RESEARCH PROJECTS FUNDED

The Minnesota Dept. of Natural Resources, Section of Ecological Services, have awarded a grant to Neil Anderson and Peter Ascher to support their research entitled, "Mate Discrimination and Crossability in Lythrum".

The Early Stage Technology Development Fund of the University's Office of Research and Technology has awarded funding to the following individuals:

Wesley Hackett for researching, "A Commercially Feasible System for Propagating Aspen from Roots," and. . .

David Davis for research in, "Commercialization of Insect Resistant Corn Germplasm".

Congratulations to everyone for winning support for these worthy projects.

* * *

WILDFLOWER PICS WANTED

John Dole and Neil Anderson are looking for slides or prints of the following wildflowers: Liatris spp. - Blazing Star, Asclepias tuberosa - Butterfly Weed, Castilleja coccinea - Indian-Paintbrush, Castilleja septentrionalis, and Castilleja sulphurea.

If you can help locate some slides or prints, be sure to get in touch with John or Neil. Thank you.

* * *

TRADE FAIR

J.R. Johnson Supply, 2582 Long Lake Rd., Cty. Rd. C & 35W, will be conducting a Trade Fair on July 19, from 8am-5pm. It purports to be the "largest JRJ trade fair ever," with four nat'l speakers and over 50 trade show booths. Manufacturer representatives will be on hand to answer your questions and assist you in your needs. Plus, there's a pig roast luncheon at Noon (please RSVP @636-1330). There will also be a drawing for pretty spectacular prizes at 5pm.

Further information posted in front hall.

* * *

AMERICAN HORT SOCIETY GARDEN TOURS

Grad Student volunteers are needed to conduct a garden tour during the 44th Annual Meeting of the American Horticultural Society. The tour will be conducted between 2:15 and 2:30pm on Fri., July 28. Anyone interested in helping out is encouraged to see Laura in 305 for details.

Registration for the Annual Meeting is still open. Garden sites being visited include: Como Park Conservatory, Dodge Nature Ctr., Lake Minnetonka, MN Landscape Arboretum, Mpls Sculpture Garden and Cowles Conservatory, the State House Mansion, and the Rose and Rock Gardens at Lake Harriet. For registration info, please see Laura.

* * *

OVERSEAS OPPORTUNITIES

Jobs for African and Latin American students are available in Africa and Latin America through the Intergovernmental Committee for Migration. Further information can be found in the front hall. You may also directly contact the program at the following address: Intergovernmental Cmte for Migration; 440 Nat'l Press Bldg.; Washington, DC 20045; Phone: (202) 662-7099.

* * *

FAREWELL TO CHAD AND BARB

A potluck picnic will be held Sat., July 22 at Lake Johanna

Pavilion to help celebrate Chad and Barb's new jobs in Missouri. It all takes place at 4pm and, pending cooperation with the County Sheriff's Office, is likely to carry-on into the wee hours. Opportunities exist for softball games, windsurfing, frisbee playing, and so on. (No word as of press time concerning a possible celebrity appearance by the by-then triumphant Hort. Triathlon Team.) Come and wish Chad and Barb good luck in Missouri.

Further info can be found on the grad bulletin board in the back hall.

* * *

Have A Triathlon- Class Week!

twig bender

Volume 7/#28/July 21, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUL 24-28

a non sequitor of epic proportions).

NO SACRIFICE TOO GREAT FOR TRIUMPHANT TRIATHLON TEAM

SAT - Potluck Picnic (celebrating Chad's successful doctoral and Barb and Chad's new jobs in Missouri), kicks off at 4pm, Lake Johanna Pavilion (details below)

The peculiar thing is, no matter how odd the comparison, the very spectre of the moon landing automatically lends the critic weight to his or her argument.

WED- Environmental Physiology Journal Club: *Relative Sensitivity of Photosynthesis and Respiration to Freeze-Thaw Stress in Herbaceous Species* (cont.), *Plant Physiol.* 89:1372-79, Noon, Student Ctr

Last week, for example, a familiar Hort haunt was overheard complaining, "If they can put a man on the moon, why can't they create a vending machine that will accept wrinkled money?" Soon, we have a rhetorical donnybrook on our hands, with each new argument showing an increasing disregard for logic: "If they can put a man on the moon. . .1) why can't they produce a daily paper that doesn't get ink all over your hands?, 2) why are zoning laws eroded to appease G h e r m e z i a n self-aggrandizement?, 3) why do adventurers have to exploit themselves in order to finance ostensibly-laudable expeditions?, 4) why isn't Twig Bender a better read?," etc., etc.

THR- Civil Service Cmte Mtg, 1-4pm, 300 Morrill Hall (details below)

* * *

Neil Armstrong may have misspoke when he planted a carefully protected foot upon the lunar surface 20 years ago, but his "one small step" utterance remains forever emblazened upon the world's memory. (According to Sam Fitzsimmon's, dialogue coach to the Apollo crew, Armstrong was scripted to say, "It may not be the garden spot of our solar system but there's plenty of free parking!" Something to delight you triva buffs.)

The truth is, these questions can never be effectively addressed. The problem, obviously, is with the questions themselves. If the impressive accomplishments of the lunar program had never been pursued in the first place, perhaps we wouldn't get so exasperated everytime the MTC bellows exhaust in our face, we suffer an attack of acne just before an important date, or the phone rings as we sit down to dinner.

At the risk of appearing heretical, we think mankind may have been better off if we had never decided to go to the moon in the first place. Before you get hysterical, consider this: how often have you been irritated with something and asked yourself, "If they can put a man on the moon, why can't they. . .?" (leading directly into

So you see, Mr. Armstrong has much to answer for. "One small step," indeed!

- Ed.

* * *

The Horticulture Triathlon Team proudly represented the Department of Horticulture, the College of Agriculture and the University of Minnesota in the Aquatennial Triathlon at Lake Nokomis last Saturday, July 15. The grateful team was cheered to a first in the second tier of relay teams and 11th out of 35 overall by an enthusiastic group of departmental supporters.

Shunning the national and international press, the team agreed to an exclusive interview with *Twig Bender* reporters (*Don't think we don't appreciate it. - Ed.*) When asked, "Why put yourself through the pain?," the cheerful response was, "To hurt for Hort is glory!"

(On second thought, forget what we said about appreciating our exclusivity.- Ed.)

The team also wants to emphasize their appreciation to the legion of fans that came out at 6:30am to support their efforts.

Try-outs for next year's team will be held in March 1990 in Kilauea Bay, Hawaii. For applications, see Bud. Or ask Mr. Foster.

* * *

BIRTHDAY CELEBRATION

Late-breaking item: A birthday party will be held for Gregor Mendel Fri., July 21 at 3:30pm in 435 AldH. All loyal *Twig*

Bender readers are invited.
(After all, what trouble is it to
find a couple of extra chairs?)

* * *

SUCCESSFUL PH.D.

Last Friday, Chad Finn made a
successful bid for his Ph.D.
credentials. He is now known as
Dr. Finn and is thereby assured
a good seat in most restaurants.
Sincere congratulations, Chad!

* * *

FAREWELL TO BARB AND CHAD

A potluck picnic will be held
Sat., July 22 at Lake Johanna
Pavilion to help celebrate Chad's
social elevation (see above
item), as well as Barb and
Chad's new Missouri jobs.
Festivities get underway at 4pm
and continue until media
interest wanes, or the police
break things up, whichever
comes first.

Softball games, windsurfing,
frisbee playing, and underwater
poker are just a few of the
ultra-glamorous events being
planned. Among the celebrities
apparently slated to appear is
well-known Indian Wrestler and
Hamline University pitchman,
George Latimer, who will
determine whether or not to
rechristian the nearby waters,
"Lake Finn," according to a
show of hands or, pending
Hizzoner's mood, two out of
three falls.

Information of a more legit
nature can be found on the grad
bulletin board in the back hall.
Be sure to attend and wish Barb
and Chad well as they prepare
to leave town.

* * *

CIVIL SERVICE MEETING

Civil servants interested in pay
raise discussions are encouraged
to attend a meeting of the Civil
Service Committee on July 27,
1-4pm, in 300 Morrill Hall. It's
up to you to air your concerns.

* * *

PLANTS SEEKING RELIABLE WATERERS

Projects using houses G, F, E
and hotbeds are responsible for
tending to their own watering
from July 24-28.

* * *

THANK-YOU NOTE

Akil and Algem Petersen wish to
express their sincere
appreciation for the warm and
thoughtful get-well card sent to
them during Algem's recent
illness and recovery.

* * *

FREE STUFF

Martha in 305 AldH has a
number of five-quart plastic
pails with lids to give away to
anyone who wants them. Does
anyone want them?

* * *

FURTHER FREEBIE

On Thursdays, you can enter the
grounds of the Minnesota
Landscape Arboretum totally
free of charge. Quite the deal,
eh? But wait! The bargains don't
stop there: Thursday evenings
also boast reduced tram fares
(\$1.50 per person), affording one
a spectacular view of the Arb's
905 acres of rolling hills and
fields, featuring display gardens,
plant collections, native woods,

marshes and prairies, and not a
Ghermezian brother in sight.

For further info, please phone
443-2460.

* * *

CLASSES PLANNED/ TEACHERS WANTED

Dr. Carlyle D. Davidsen, Assoc.
Dean of Academic Affairs at
Anoka Ramsey Community
College, needs two or more
people to teach the fall quarter
courses shown below. Post
doctoral fellows, recent
graduates, faculty, etc. are
encouraged to consider these
vacancies (classes listed below).
Interested? Then give Dr.
Davidsen at 612-427-2600.

Class Schedule:

Biology 101 (General Biology),
6:30-9:10pm Tue-Thr (incl. lab).

Biology 111 (Intro to Anatomy
& Physiol.), 8-8:50am, Mon-Thr
(lec only).

Biology 140 (Pathophysiology),
1-1:50pm, Mon, Wed, Fri.

Biology 201 (Microbiology), 3-
4:20pm, Tue & Wed (lab only).

* * *

FAIR OPPORTUNITY

The Minnesota Fruit and
Vegetable Growers Association
is interested in hiring someone
to staff their exhibit at the
State Fair. For more
information, please contact
Betty at 434-5929, or write:
MFVGA, 1207 Constance Blvd.
N.E., Ham Lake, MN 55304.

* * *

**Have An
Impressive Week!**

twig bender

Volume 7/#29/July 28, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES JUL 31-AUG 4

FRI - Summer Concert (final one), Arboretum, 7:15pm (details below, in excess)

* * *

STUFF AT ARB

The final summer concert at the super-busy Minnesota Landscape Arboretum in Chanhassen will take place Fri., Aug. 4, at 7:15pm. The J.C. Band will present an evening of jazz, light rock, and popular music. People are invited to bring a picnic supper to enjoy before or during the concert. Boxed picnic suppers will also be available for purchase (bring your own ants). A gate fee of \$3 per adult will be charged. Plenty of free parking is available.

In addition, a special evening tram tour will be offered at 6pm. The tour is quite fascinating: it begins with the front-end axle and follows the length of the chassis. (*Sorry, we couldn't resist.* - Ed.) In reality (a place not too far from here), the hour-long narrated tram tour takes you throughout the Arboretum grounds. There is a charge of \$1.50 per rider for the tram tour.

* * *

ANNUAL STATE FAIR BLURB

The MN State Fair is rapidly approaching and the University will be participating with an exhibit in the Education

Building. This year's exhibit is diverse and highlights many aspects of the University. The title is, "Celebration of Pride".

Not only public-relations interests are served by constantly "manning" the booth: the sad fact is (as ugly as this will sound), not everyone who visits the fair is an honest and upstanding citizen. This year, the University has invested a small fortune in party streamers and brightly-colored balloons and simply cannot afford to risk being ripped off by free-spirited Univ. enthusiasts/miscreants.

So, if you possess both a keen p.r. sense and can put somebody in a half-nelson with little fanfare, let Laura (in 305) know (by Aug. 8) what four-hour volunteer slot you wish to fill.

And, as if being one of President Bush's "thousand points of light" wasn't gratifying enough, University Relations promises volunteers **FREE ADMISSION TO THE FAIR!** Yes, it is absolutely incredible, but you will not have to pay to enter the fairgrounds the day that you work. (Imagine showing up to Alderman and actually getting a free parking spot for your trouble - the mind boggles!) All this, plus the warm glow one unfailingly experiences when engaging in grandiose displays of largesse. Frankly, it all sounds too good to be true.

"Booth attendants ARE volunteers," the blurb from University Relations cautions, "(and) we cannot pay for the

time spent in the booth...(however) departments are asked to allow employees time to work in the booth, either paid by the department or vacation time, if they are scheduled during the work day."

The fair runs from Aug. 24-Sep. 4. A training session is planned for Aug. 23 at 10am. Volunteers will be provided tickets, maps, and weaponry prior to the training session.

Remember, the University is depending upon you to serve as its representative. Since the media has been relatively kind to us this year, it should be a low-risk operation. (Besides, don't forget those free tickets!)

See you at the fair.

* * *

PROFESSORSHIP AVAILABLE

A slot has opened at the Crookston campus of the U of M for a full-time, twelve-month, one-year appointment for an Assistant Professor of Horticultural Science. (The position may be renewable, dependent on funding.)

One-half time will be devoted to applied research in vegetable production (emphasis on cole crops), handling and marketing. Teaching of courses in hort., curriculum development, student advising, and professional service will absorb the rest of your time.

(see reverse side)

Qualifications: First, you have to find out that the vacancy is open. (And you've obviously already accomplished this if you are reading *Twig Bender*. You're halfway there!). Secondly, you should possess a doctorate degree in Hort. with emphasis on, and two years experience in, vegetable production, handling, and marketing.

This position begins Sep. 1. A letter of application, resume, college transcripts and the names, addresses, and telephone numbers of three references should be sent to: Dr. Larry Smith, Chairman; Hort. Sci. Search Cmte.; 202 Agricultural Res. Ctr.; U of M-Crookston; Crookston, MN 56716.

DEADLINE IS AUG. 15.

Further information is available in the Ph.D. book by the grad student mailboxes.

* * *

MORE STUFF AT ARB

The theme of the Arboretum's fifth annual Herb Symposium, Aug. 16-17, is entitled, "Herbs From Around the World". (For once, *Twig Bender* will refrain from making the obvious joke.)

This two-day symposium (*pardon the redundancy*) will include lectures on cultivating herbs, training herbs for topiary gardening, and cooking with herbs demonstrations. All sorts of impressive-appearing speakers will speak, impressive-appearing gardeners will garden, and impressive-appearing cooks will cook. The roster includes such folk as a former president of the Herb Society of America, former-owners of the Hilltop

Herb Farm, the present proprietor of Sweep Herb Farm (flying in from New Jersey), and the owner of Lightly Epicurean of Excelsior. Clearly, a wealth of expertise.

The cost for each day of the symposium (*which incidentally runs for two days*) is \$30 for members, \$35 for non's. Two-day registration (*covering the scope of the symposium*) is merely \$50 for members, and \$60 for non's.

(Or is that "nuns"? We find it difficult to believe that the nice folks in Chanhassen would have a surcharge for ladies of the cloth. Still, convent members are advised to phone ahead of time, just to be on the safe side.-Ed.)

Registration deadline is Aug. 9. For further information (or heated denials), please phone the Arboretum at 443-2460.

* * *

CONSERVE EYE STRAIN

This relatively-short item is being offered as a rest stop for readers. You'll find no arbitrary diatribe here - no rambling, vacuous editorializing which serves no purpose other than to vent Twig Bender's spleen while bearing testimony to this publication's unseemly self-indulgence and chronic obsession with minutia.

Even though this item is not as short as it could be, it's a heck of a lot shorter than some others, and that's good news for your reddening eyes. Hope it helped. (If your eyes are still sore, or if you'd like a tasty and nutritious snack, try sliced cucumbers.)

INCREDIBLY, EVEN MORE STUFF AT ARB!

The ninth annual Children's Garden Harvest Fair will be held Sat. & Sun., Aug 5-6, Noon-3pm at the - guess where? - the Arboretum (natch). (*If this keeps up, Twig Bender may be forced to seek subsidization from you-know-who for promotional coverage.*)

Visitors may tour the children's garden, meet the menagerie of topiary animals living in the Learning Center's greenhouse, visit the scarecrows, pot a plant to take home, and see exhibits of the finest crops grown in this year's garden. The best sweet corn, largest onion, longest bean, and weirdest vegetable of 1989 will be on display. (*Readers interested in the weirdest vegetable of 1956 are invited to visit our office. - Ed.*)

A \$3 gate fee is charged to adults. There is no charge for children under 16 years accompanied by a parent willing to sign an affidavit attesting to as much. As usual, parking is available absolutely free of charge! Ostentatious types are allowed valet service, provided they bring their own valets (who will also have to shell out the \$3 gate fee unless, obviously, the valets are under 16 years of age and have affidavits to prove it).

Phone the Arb at the familiar number for further info, heated denials, etc., etc.

* * *

**Have A Free-
For-All Week!**

twig bender

Volume 7/#30/August 4, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES AUG 7-11

SAT &

SUN - Children's Garden Fest,
Arboretum, noon-3pm,
Arboretum (details below)

THR - VIP Picnic, 4pm-?,
Rosemount Exp. Sta.
(details below)

* * *

CHILDREN'S GARDEN FEST

The ninth annual Children's
Garden Harvest Fair will be held
Sat. and Sun., Aug. 5-6, noon-
3pm at the Minnesota Landscape
Arboretum near Chanhassen.

As stated last week, visitors
may tour the children's garden,
meet the menagerie of topiary
animals living in the Learning
Center's greenhouse, visit the
scarecrows, pot a plant to take
home, and see exhibits of the
finest crops grown in this year's
garden. The best sweet corn,
largest onion, longest bean, and
weirdest vegetable of 1989 will
be on display, as well as flower
arrangements, terrariums, and
houseplants. There will be
balloons and a clown to
entertain younger visitors, and
door prizes will be given out.

A \$3 gate fee is charged to
adults. There is no charge for
children under 16 years
accompanied by a parent. Free
parking is available. For more
info, phone the Arboretum at
443-2460. The Minnesota
Landscape Arboretum is located
near Chanhassen on state
highway 5, about nine miles
west of I-494.

* * *

WATERING RESPONSIBILITIES

H and K section users are
responsible for watering the
weeks of 8/14 and 8/21.

* * *

PICNIC AT ROSEMOUNT

The "Rosemount VIP Picnic" will
be held on Thr., Aug. 10, 1989.
The purpose of the picnic is to
provide campus personnel who
have little opportunity to visit
the Station with a little better
understanding of the Rosemount
operation.

The program will begin with a
hayride tour at 4pm. The picnic
dinner of barbecue chicken,
home-made root beer, sweet
corn, tomatoes, and other fruits
of the season will begin about
5:30 pm. After dinner, bingo,
volleyball, horseshoes, nature
trail, and other activities will be
available. A charge of \$3 will
help cover costs.

Please send reservations by Aug.
7 to Kathy Donahue, 220 Coffey
Hall, St. Paul Agricultural
Experiment Station Office. If
you have any questions, call
Kathy at 625-4211 or Karen
Schuller 423-2455.

* * *

RECYCLING INFORMATION

It's time to recycle old
phonebooks. The Recycling
Program advises readers to
return their old phone books to
the same place where you pick-
up your new ones. Stack
phonebooks neatly against the
wall or in the canvas hamper

provided. This "exchange" must
be done by 8am, Aug. 9. If you
have questions, please phone
the recycling hotline at 625-
8084.

* * *

MOROCCO PROJECT RECEPTION

A reception will be held Aug. 8
to honor Dale Hicks, Dept. of
Agronomy, who recently
completed a two year
assignment at IAV Hassan II in
Morocco. All faculty are invited
to attend this Morocco Project
Reception from 3:30-5pm in the
Vo Tech Atrium.

* * *

APT NEEDED

An incoming grad student will
need an apartment as well as a
roommate beginning in the fall.
If you know of any
possibilities, please contact
Bert Swanson, 164 AldH, 624-
7432.

* * *

Have A Great Week!

twig bender

Volume 7/#31/August 11, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES AUG 14-18

Nothing scheduled this week.

* * *

CHANGING OF THE GUARD

The graduate student officers for the 1989/90 year are:

President: Alicia Borowski

Graduate Studies Cmte: Ken McNeil, Nouredine Cheikh, Rick Harrison (alternate)

Council of Graduate Students: Karl Sauter

Faculty Meeting: Debby Filler

Seminar Cmte: Pam Sanders

Computer Cmte: Paul Johnson

Card Fund: Patty Hung

* * *

NEW SOCIAL COMMITTEE

Dr. Carter has approved an ad hoc official "Departmental Social Committee". Anyone wishing to volunteer should see Kathy in 305 AldH. They will be setting-up a meeting time to discuss the following:

Fall Int'l Pot Luck, Holiday Party, etc.

* * *

PUBLICATION SOUGHT

Is there anyone who has a recent copy of the *AAAS Guide To Scientific Instruments*

publication that can be donated to the Hort Shop? Something more recent than their 1984 copy would be much appreciated.

* * *

SCIENTIFIC PUBLICATION OUT

"Distinguishing between self-incompatibility and other reproductive barriers in plants using male (MCC) and female (FCC) coefficient of crossability," by N.O. Anderson, B.E. Liedl, P.D. Ascher, and S.L. Desborough. In *Sexual Plant Reproduction* (1989) 2:116-126.

* * *

WATERING REMINDER

H and K section users are responsible for watering the weeks of 8/14 and 8/21.

* * *

ASSISTANTSHIPS AVAILABLE? READ ON

The American Society of Agronomy Career Development and Placement Service will hold assistantship interview for student seeking M.S. and Ph.D. degrees. Interviews will be held Mon., Oct. 16, 12:30-4pm, in Rooms 1-2, Sahara Hotel.

Students will be able to meet with reps from various departments related to agronomy and crop & soil science. Faculty with available assistants are encouraged to fill out forms listing same, for posting at the ASA Career Development and Placement Service. Tables at the

interview sessions are also available.

Please see Laura for details.

APARTMENT NEEDED

An incoming graduate student will need an apartment as well as a roommate beginning in the fall. If you know of any opportunities, please contact Bert Swanson, 164 AldH, 624-7432.

* * *

Have A Great Week!

twig bender

Volume 7/#32/August 18, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES AUG 21-25

MON- Hort Social Cmte Mtg,
Noon, 398 AldH (details
below)

* * *

NEW SOCIAL COMMITTEE

A committee is being formed to put new ideas into action for department social events. Volunteers welcome. See calendar above for dates/times.

LIMITED ACCESS DURING STATE FAIR TIME

During the period of the State Fair, Aug. 24 through Sep. 4, access to the St. Paul campus will be restricted during off working hours and weekends. You may find your customary access route closed during this period. The official entrance during off hours will be at Folwell and Cleveland. You may exit during these hours via Buford Avenue, which runs past the St. Paul Student Center.

If you have any questions, you may phone the U of M Police at 624-3550 or Morris A. Mitteness at 624-1227.

VISIT GRAND RAPIDS

The annual fall Horticulture Night tours at North Central Experiment Station in Grand Rapids will be held on Wed., Aug. 30, beginning at 4pm with tours continuing until 7pm. Following registration at the Adm Bldg, visitors will be taken to the Hort Plots for walking tours.

Visitors will see new cultivars and cultural experiments being conducted on vegetables, small fruits, dried flowers, and ornamentals. Several experiments involving raised beds, trickle irrigation, plastic mulches and row covers will be featured. Hort specialists will be on hand to answer questions and explain their work. Commercial growers and home gardeners are encouraged to attend.

The Experiment Station is located east of Grand Rapids on Highway 169.

EVALUATIONS DUE

Faculty and Civil Service employees should have already turned in their signed evaluation forms. If you have not yet done so, please submit them to Evonne as soon as possible. (Laura, who would normally receive them, will be on vacation until Sept. 5.)

VISITING HONORARY FELLOW

Professor Jing-fen Chen of Shanxi Agricultural University, Taigu, China (northwest China just east and south of Inner Mongolia) arrived last week for a six-month Honorary Fellow assignment. She will be working with D. Davis and P.H. Li. Be sure to say "hi".

ADVICE FOR TA'S

Graduate teaching assistants are invited to attend workshops designed to enhance their classroom skills. Tips will be offered by veteran TAs on course organization, preparing for your first day, time management, plus other

classroom survival skills. Space is limited. Sessions begin Oct. 4 and registration is arranged by calling 626-1612.

Further information can be found on a notice posted on the grad bulletin board in the back hall.

WATERING REMINDER

H & K section users for responsible for watering during the week of Aug. 21.

FIELD HELP NEEDED

The vegetable breeding project needs extra hands for a few days to help take plant data in the field. This is a paying position. If interested, please contact David Davis, Karl Sauter, or Mary Joyce.

ORNAMENTAL RESEARCH ASSISTANTSHIPS

Available: M.S. Degree Graduate Research Assistantships in Ornamental Horticulture at the University of Tennessee in Knoxville. Study the culture, physiology and/or molecular biology of turfgrass, floriculture or nursery species for a minimal stipend of \$7000, with waiving of tuition.

Further detail are posted in the front hall. You may also phone Dr. G. Douglas Crater at Tennessee's Dept. of Ornamental Horticulture & Landscape Design at: 615-974-7324.

* * *

Have A
Great Week!

twig bender

Volume 7/#33/August 25, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES AUG. 28-SEP 1

Nothing is happening. Looks like a great opportunity to catch-up on your summer reading.

* * *

Twig Bender is relieved that Voyager 2 will finally jettison out of the solar system and forsake documentation of nearby planets for the **real** mission it embarked upon a dozen or so years ago: gratifying the celebrated egos of Mr. Carl Sagen and others whose images and signatures will remain encased in its memory bank "until," as NASA likes to coyly put it, "Kingdom Come".

Regardless of the scientific accomplishments of the Voyager program (we, for one, were ecstatic to learn that Neptune's moon Titan is, in fact, a counter-orbiting Popsicle), Twig Bender is still hurting from NASA's refusal to include a sample issue of this newsletter in Voyager's aforementioned memory bank.

With little recourse, Twig Bender has inaugurated a fund-raising drive to launch it's own satellite (with the cooperation of Pakistan's fledgling ballistic missile program). Unlike Voyager, Twig Bender's probe (working name: "Intransigent") will not engage in deceptive public posturing as an astronomical fact-finding mission. Our interest is strictly self-serving. Simply put: we want at least one copy of this publication to survive as long as Carl Sagen's "intergalactic calling card".

As an incentive to potential backers, "Intransigent" offers to carry mug shots of each contributor within the protective confines of its womb-like nosecone. (For an extra 75 cents, your photo will be dunked in a special heat-resistant substance. Without it, we cannot guarantee immortality.)

Just think: for mere pennies, you can virtually guarantee that your graven image will outlast the national debt and potentially serve as a representation of Mother Earth to futuristic sanitary engineers sifting through the vast "dumping ground" of our galaxy's outback.

Is this a deal of what? (Offer void where prohibited by law or common sense.) - Ed.

* * *

WATERING

G, F, E section users will be responsible for watering during the week of August 28 through 31.

* * *

FORTHCOMING WORKSHOP

A workshop, "Protecting Intellectual Property in an Academic Environment: Individual Rights and Public Interest," will be held at the Earle Brown Center, St. Paul, on October 2.

The workshop will focus on the process of technology transfer, intellectual property protection and the policies of invention protection, distribution of germplasm, and licensing, particularly in the area of the

biological and agricultural sciences in a land grant university.

All faculty, graduate students, post-doctoral fellows and research associates are invited to attend.

More information can be found in the front hall in a brochure, "Protecting Intellectual Property".

* * *

CALL FOR REPORTS

The Produce Marketing Association (PMA) has provided the U.S. Department of Agriculture's Economic Research Service (ERS) with space for an exhibit at its annual convention. The convention and exposition will be held Oct. 14-17 at the Sparks Convention Center, Reno, Nevada.

The purpose of the ERS exhibit is to display current research reports and familiarize those engaged in the fruit, vegetable, and ornamental industries with the variety of work being done at horticultural institutions. The exhibit also provides an excellent opportunity to talk with industry people and become more aware of their informational needs and concerns.

The audience at the PMA Convention will consist of producers, distributors, and retailers of fruits, vegetables, tree nuts, and ornamental plus allied industries (such as equipment manufacturers), State and Federal personnel, and foreign visitors. (Over 8,000

people attended last year's convention.)

Reports submitted by Sept. 18 will be included in a bibliography printed by the Economic Research Service and distributed at the convention and to interested parties throughout the course of the year.

Further info can be obtained by phoning Joan Pearrow at 202-786-1883. Correspondence should be addressed to USDA/ERS/CED/SAB, Room 1240, 1301 New York Avenue N.W., Washington, DC 20005-4788.

More information is also available from Jay in 305.

* * *

FILTER NEEDED

A UV filter is missing for the Zeiss microscope. Anyone having borrowed it should inform Ok-Young Stadelmann or Wes Hackett. Thank you.

* * *

PLUG PLUG

An Int'l Plug Production Conference will be held Oct. 31-Nov. 2 at Iowa State University in Ames. The first day of the conference is intended for newcomers to the plug industry and basic information on production and equipment will be presented. The second and third days will offer more detailed information on the latest developments in the industry.

The program will include a look at new products, the basic

requirements for plug production, environment controls, future trends in plug production, and ISU research.

A complete schedule, along with registration information, can be located in the front hall.

* * *

**Have A
Probing Week!**

twig bender

Volume 7/#34/August 31, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES
SEP 4-8

MON- Labor Day Holiday.
University closed.

* * *

Incredible as it may seem, Twig Bender has received no contributions for our Voyager-like space probe, christened "Intransigent" here last week.

This, despite the fact that we sweetened the pitch by offering to include mug shots of every contributor within the bowels of our infinity-bound voyager. (Presumably, readers have been confining their expenditures to the Minnesota State Fair this past week. After all, how important is a bid for immortality compared to the delights presented by a corn dog laden with saturated fat?)

After a huddle with our p.r. people, Twig Bender has decided to recruit pop celebrities to get our project off the ground.

Trouble is, the most desirable superstars are locked into exclusive contracts with mega-powerful entities like "IBM" and "Chicken By George". Fortunately, our ever-resourceful people managed to secure representation by two ultra-famous figureheads to get our fund-raising underway: Mr. Pete Rose and Ms. Leona Helmsley.

The ever-impulsive Mr. Rose was easy enough to secure; we bet him he'd never do it. (Sure, we lost the bet, but his face now adorns our direct mail piece.)

Manhattan royal-person Leona Helmsley, fresh from her litigious unpleasantness, impishly signed-on with Twig Bender after ascertaining that it could be written off her returns as

long as the Statute of Limitations expires before the space probe does. (Since plans call for "Intransigent" to joyride through unchartered space indefinitely, there should be no beef from the feds on this one.)

With superstars of this caliber boosting Twig Bender's credibility, the countdown could begin any day now. Don't miss out on this opportunity for immortality! Donations as small as fifty cents will reserve a place for your likeness, thereby virtually insuring your celestial celebrity the moment extraterrestrials stumble upon it.

What weekly offers a better deal than this? - Ed.

* * *

GRANTS AVAILABLE TO FACULTY

The Graduate School is accepting applications for research funds to be awarded at the fall meetings of the General and Health Sciences Research Advisory Committees. Priority will be given applications which request support of the following nature: support for new faculty member, interim support during lapse in external funding, support for faculty member moving into new area of research, or support for faculty member in fields where external funding is scarce.

Applications must be submitted on a Grant-in-Aid (rev. 2/89) form (forms are available by calling 625-2356). Forms are due at the Graduate School Office by Oct. 2.

A policy sheet for Grants-in-Aid is available for your inspection.

Please see Laura for details.

NEW ARRIVALS

No, not a new baby in this fecund department - but a reminder to faculty to please give names of new grad students arriving this fall to Alicia Borowski so that they are included in the annual Fall orientation.

PROMPTNESS IS A VIRTUE

Graduate Students - let's get those grad student directory forms filled in and deposited in Alicia Borowski's mailbox. So far the hidden talents that have been submitted are astonishing!! You won't want to be left out!!!

VOLUNTEERS WANTED AT ARB

Applications are now being taken for anyone interested in helping lead tours and activities for school children visiting the Arboretum.

Programs upcoming include: apple-cider making, tree identification, and Native American culture. Volunteer instructors may choose to work with one or several topics. A one-day training session will be held Sept. 14 for the Apple Harvest program, and Oct. 3 for Trees of Minnesota and Plants Used by the Dakota and Ojibway Peoples. No previous experience is required.

For more info, call Shirley Mah Kooyman at 443-2460. The Minnesota Landscape Arboretum is located near Chanhassen on state highway 5, about 9 miles west of I-494.

* * *

Have A Spacey Week!

twig bender

Volume 7/#35/September 8, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES SEP 11-15

TUE - Satellite launching, noon-ish (Brown Bagger), Mega Mall "Gerbil" lot, Edmonton, Alberta (see ed. space below).

SAT/- Flower & Garden Show,
SUN Arboretum (see news item below)

* * *

Twig Bender's space probe program was spared an ignominious demise last week when Edmonton's celebrated Ghermezian brothers came up with the \$2.3 billion required to catapult our juggernaut into uncharted space.

Concerned with the ever-increasing cost of real estate on Planet Earth, these underestimated futuristic retailers have decided to seek out new frontiers upon which to build their recently-conceived "Super-Doooper Shopping Mall in the Stars".

The Ghermezians had been considering opening this latest outlet on the planet Neptune, but after learning that its temperatures plummet to -800 below zero with some frequency, the astronomical entrepreneurs decided to scout the heavens for a more cost-effective locale.

"Anything below -10 degrees celsius impairs the operation of our Octopus Thrill Ride," explains Eskander.

Twig Bender invites all readers to the launching of our spanking-new space probe.

recently re-christened "Battleship Ghermezia" (see calendar above).

As announced earlier, copies of this periodical and the photos of readers who have attained "most-favored" status (i.e. those who have given us huge sums of cash) will be secured in our probe's nosecone, thereby assuring all participants of a degree of immortality.

Back at Spaceship Earth. Twig Bender looks forward to its first extraterrestrial subscription. (Bet we've got a good shot at "Geraldo" with this one!) - Ed.

* * *

SCHOLARSHIP AVAILABLE

The National Council of State Garden Clubs is offering 28 renewable \$3,500 scholarships for undergrads or grads in 1990-91. One name will be submitted for each state. Student must have a 3.5 GPA plus financial need. Contact Deb Brown, undergrad scholarship chairperson, for further info.

* * *

REMARKS FROM MARY STUART

"I want to thank everybody for the going-away party and the tasteful gifts. They will all come in handy. I've realized recently that I've spent about a third of my life working in the horticulture department. Much as I'm looking forward to my new role in life, I am going to miss you all.

Mary Stuart
1591 Presidential Drive, #B-3
Columbus, OH 43212
(614) 487-9478

"The welcome mat is always out!"

* * *

GARAGE SALE

A garage sale takes place Fri., Sep. 15 at the Hort Polyhouse at noon. (The press release states that you "buy as is" and adds that there are "no returns". A sure sign that the bargains to be had outweigh irrelevant concerns over customer service.) Sounds like bargains galore!

* * *

FLOWER SHOW AT ARB

The best vegetables and flowers grown by Twin Cities' gardeners, and unique floral arrangements, will be on display at the annual Flower and Garden Show to be held Sep. 16-17 at the Minnesota Landscape Arboretum near Chanhassen. Anyone can enter the show and ribbons will be awarded to the best vegetables, flowers, and floral arrangements. There is a special junior exhibitor category for young gardeners under 18 years old.

A complete copy of the rules and schedule can be obtained by calling the Arboretum at 443-2440. The show will be open to the public from 1-4:30pm on Sep. 16 and from 11am-4:30pm on Sep. 17. Admission is free of charge.

This just in: Twig Bender contains fewer carcinogens than the last meal Mom served you. Serving suggestion: simmer this issue in a white wine sauce and serve with a side dish of the new JC Penny's Fall catalog.

* * *

PHD CANDIDATES

Still need to complete your teaching requirements? Dr. Mulling is looking for a T.A. for Hort 1100, "Biology of Horticultural Production," for fall quarter. You will be responsible for setting up, guiding, and grading four laboratory experiences, for app. 30 students.

Talk to Dr. Mullin and your advisor. No pay, but great experience.

* * *

CHANGE IN GRANT GUIDELINES

Guidelines for obtaining grants from the Greater Minnesota Corporation's "Technology Research Grant Program" have been altered somewhat. For an update, please see Laura in 305 AldH.

* * *

HELP FOR EXTENSION FACULTY

Extension faculty may be interested in hearing that Extension Classes is conducting a workshop on Sep. 23 entitled, "Creative Approaches to the Nontraditional Student". The workshop, held at the Earle Brown Center beginning at

8:30am and running 'til 3:30pm, will include the following topics: "Survival Skills for Extension Faculty," "PC's and the Teaching Experience," "Assessing Your Teaching Style and Making the Most of It," and "Writing and the Extension Student," among other topics.

For complete details, refer to the blue brochure located in the back hall.

* * *

COMPUTER ACCESS FOR THE DISABLED

Thanks to recent technology, computer operation is now possible for persons with a wide range of physical abilities. The equipment, available at four locations on the Mpls campus, addresses visual and motor impairments, but may be applicable to other disabilities, as well. Contact the Office for Students with Disabilities (4-4037) or the IT Microcomputer and Workstation Lab (5-9081) to see or use the equipment. (A notice is also posted in the front hall.)

* * *

WITHOUT CHEMICALS THIS PARTY WOULD BE IMPOSSIBLE

The Chemical and General Storehouses, recently reborn as "University Stores," will host its "premier opening" Sep. 13-14 from 10am-4pm. This third annual Open House will be held at 2901 Talmage Ave. SE (formerly General Storehouse).

You will have an opportunity to meet the staff and

management of the "Stores," plus visit with 30+ scientific and general supplies vendors.

Chomp down nearly chemical-free hot dogs, enjoy chemical-free movies and, should you actually wish to justify your time away from the desk, attend the chemical-free technical seminars! Door prizes are too numerous to mention, but the Grand Prize is a \$400 Panasonic Typewriter donated by CDP.

For more Open House and seminar information, call Dee at 625-6545.

P.S. Don't forget to "visit" celebrity guest Luther Darville at the chemical dunking tank. This year, three tosses for a quarter!

* * *

Have A Chemical-Free Week!

twig bender

Volume 7/#36/September 15, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES SEP 18-22

WED- Social Hour. Meet new grad students, post docs, staff & visiting scientists in AldH foyer (outside Rm 305). 3pm. Refreshments.

FRI - PhD Defense: *Factors Affecting In Vitro Meristematic Development of Tulips*, 9am, 394 AldH

* * *

PPI FELLOWSHIP

The Potash and Phosphate Institute will be awarding fellowships of \$2000 each to deserving graduate students in Soil and Plant Science. Priority will be given to students majoring in soil fertility, but those in soil chemistry, horticulture, crop physiology and other areas related to plant nutrition will be given every consideration. Deadline is February 1, 1990. Applications and further information are available through Laura.

* * *

CHRYSANTHEMUM PROJECT

Next week from Wed. through Fri., Sep. 20-22, the chrysanthemum project will be conducting its annual hybrid seed evaluation. Volunteers are needed (no experience necessary) to rate the selected hybrids. Evaluation sheets (with complete instructions) will be available above the grad student mailboxes next week.

Return your completed sheets to Neil Anderson. Thank you in advance for your participation!

* * *

ELVIS MEMORIAL

The second floor lab is on notice: The "Elvis Memorial" is in disrepair. Fix it or I will return (again!).

(Signed) Elvis

* * *

OCTOBER FACULTY MTG RESCHEDULED

Due to the Annual Extension Conference the October Faculty Meeting will be held on Oct. 17.

* * *

NEW NEWSLETTER

The first issue of *BioOptions*, the newsletter of the Center for Alternative Plant and Animal Products, is being distributed to all faculty in the College of Agriculture. Future issues will be sent to U of M faculty and staff at no cost, but the subscription form must be returned to get on the mailing list for *BioOptions*. Call Laura McCann at 625-5747 if you have any questions.

* * *

MEET INCOMING STUDENTS

Take a break on Wednesday, Sep. 20 from 3-4pm and come

to a Social Hour in the foyer outside the main office. Guests of honor will be our newly arrived graduate students, post docs, staff and visiting scientists. Refreshments will be served so c'mon out and say hello!

* * *

SOCIAL COMMITTEE NEEDS YOU

The Ad Hoc Social Committee needs another graduate student and two professors to help with planning of social functions, etc. Planned for future: hay ride, social hours, and ideas for holiday party. We'd like all of the dept. represented.

* * *

HELP WITH ORIENTATION

The Grad Orientation Committee could use help with preparing for the Social Hour for incoming students (see above). If you can contribute cheese, crackers, fruit, veggies/dip, cake, etc., please sign up on the Help List located in the back hall.

Thanks!

* * *

Have A
Great Week!

twig bender

Volume 7/#37/September 22, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES SEP 25-29

MON- Organizational Meeting: Plant Breeding Discussion Group, David W. Davis, Noon, 398 AldH (bring ideas for discussion topics)

TUE - Department Coffee Hour, 9:30am, 394 AldH (see Evonne for sign-up)

* * *

It isn't often that Twig Bender offers its readers an opportunity for greatness, but this is one occasion we cheerfully drop our "me first" attitude.

We want readers to know that a cattle call will be held this week for show business aspirants who hunger to join the ranks of those who have donned the skins of Mickey Mouse, Woody Woodpecker and Mayor McCheese in order to delight children of all ages, while making an honest buck in the process.

Yes, this is your chance to become "Goldie the Gopher," the official mascot of the U of M.

Tryouts take place Sep. 26-28, evenings, at Williams Arena. Applicants must be able to do the following: 1) wave arms up and down maniacally, 2) duck projectiles, 3) smile against an onslaught of jeers, and 4) prance for hours while spewing incoherent nonsense. (If you fail to snare the "Goldie" gig, you can always run for Congress).

The job offers a variety of perks, notably: 1) invitations to countless hazing ceremonies (many of them in your honor!), 2) the inevitable photo op's with University boosters like Rudolph G. Perpich and Nils Hasselmo, and 3) all the acorns you can

eat. Sound like a good deal? You betcha!

Here's your chance to go for the gold. Phone Joan Garr at 624-7345 for more info. Just don't forget who your friends are when the time comes to dish out those comp passes. - Ed.

* * *

NEW DOCTOR

Congratulations to Dr. Charleen Baker, who successfully completed her orals on Friday.

FALL FESTIVAL

For those who can't wait for the annual Winter Festival, the annual Fall Festival takes place at the Minnesota Landscape Arboretum on Sat., Sep. 30, from 9am-4pm.

A variety of diversions will be directed at children, including pumpkin decoration, vegetable printing, face-painting, and other wholesome if messy activities. "The Teddy Bear Band" will put in a rare appearance, drumming the youngsters into a creative fervor guaranteed to stand your hair on end.

All manner of plants, crafts and food will be merchandised. "Bob and the Beachcomers" will put in a rare appearance at noon, drumming bystanders into a spending spree guaranteed to stand your accountant's hair on end. Tours of the Arb's picturesque property will be offered throughout the day and a team of experts will be on hand to answer questions, such as, "Is that a wood tick on my neck?" "What are the first symptoms of Lime Disease?" and "When will I regain sensation in my lower appendages?"

Further info is presumably available by calling 443-2460.

CALL FOR PAPERS

A national symposium entitled, "The Role of Horticulture in Human Well-Being and Social Development: Setting the Agenda," will take place Apr. 19-22, 1990, in Arlington, Virginia. Among proposed papers topics are: 1) the psycho/physiological responses of people to plants in a man-made context, 2) human culture as influenced by plants, and 3) horticulture as a prescriptive tool for physical, behavioral, and attitudinal changes. (There are other topics listed, equally interesting but too convoluted for this limited space. Please inspect the Call For Papers in the back hall.)

Abstracts are due Nov. 1, and final paper Apr. 1.

NEW OPENING

A commercial opening for a tissue culture person at the BS level is available through Dr. Davis.

EGALITARIAN CHILL

The air conditioning in Alderman Hall will be shut down on Oct. 5. Word has arrived that the windows at Eastcliff will be propped open until the University ac is finally shut down, meaning a lot of chilly nights for the First Family. Once again, the Hasselmos demonstrate uncommon charity in the name of university relations. Pity that the Kellers vacated before replacing the simulated fireplace.

PC'S FOR FREE

"Project MinneMac," now in its fourth year, assists faculty in obtaining badly-needed computer hardware. If you'd like something for nothing (and who wouldn't?), join the crowd

and file a proposal at 125 Shepard Labs by Oct. 31. A Call For Proposals is posted in the back hall. Remember, neatness counts. Pandering to the corporate ego probably wouldn't hurt, either.

THE AG-ONY AND THE AG-STASY

What is AG-CITEMENT?

"AGcitement" is the latest p.r. fondue whipped up by COA to promo institutional good cheer and afford scrub-faced freshmen the opportunity to indulge in the kind of old-fashioned pep rally that cynical old-timers at *Twig Bender* never thought possible.

The itinerary includes: 1) exchanging pleasantries with state ag reps, incoming students (and parents), and U faculty; 2) enjoying an invigorating display of semi-youthful enthusiasm by the Alumni Band (ably assisted by hyperactive cheerleaders as well as the recently-muscular but still-friendly-as-get-out school mascot, "Goldie" the gopher); 3) lunching at the justifiably-renown University Food Service; and finally, 4) cheering our Gophers to victory at their adopted downtown home as they take on the Ohio States Buckeyes (or, as they prefer, *The Ohio State Buckeyes*).

It all takes place Sat. Oct. 28, 9:30am, at the St. Paul Student Center, with complimentary busing to the Big Game. If you prefer to attend the small game, you'll have to provide your own transportation. (The price of being nonconformist.)

All this incitement, er, *AGcitement* can be yours for a modestly-priced \$20, payable to the U of M. To receive "highest possible priority," orders must be received by 5pm, Oct. 6. (Although the Bierman ticket

office will reluctantly continue selling tickets until the inevitable sell-out.) See the notice in the front hall for details.

CHEAP ACCESS

Margaret Stahler did some checking and discovered that computers can be leased at reasonable rates via "Use 'R Computers" (with prices even lower than the popular "Hy-Tech Is Us!"). You can get in touch with URC by calling Sean at 938-1100.

Margaret has made repeated assurances to *Twig Bender* that she has no personal financial stake in this company at all and - heck - that's good enough for us!

COPY COURTESY

When ordering copies from Beckwith, remember to indicate what kind of paper to use, how many copies, and whether you'd like it collated or not. Doing otherwise will detour you from the fast track to success and the angels will weep for you. (Mixed metaphor courtesy of Harvey "Swim With the Sharks" MacKay and Bernard "Pygmalion" Shaw.)

THIS, BUD, 'S FOR YOU

Alicia and Ken say "thanks" to all who pitched-in at the reception for new students, etc. last week. Those snacks were mighty tasty and it was good to see so many friendly faces. *Twig Bender* hasn't been privy to so many aspirations to greatness since the warm-up of the Hort Triathlon Team. (Rumor has it that Bud Markhart recently swam the English Channel. The big question is whether he's on a health binge or is merely trying to cheat on his expense account.)

GEE HOW WE WISH AGAIN THAT YOU WERE IN...

Here's your opportunity to intern at "Applewood," a historic sight located in Flint, Michigan (just 126 miles west of Kalamazoo and easily within driving distance of downtown Owosso!). Like much of Michigan itself, Applewood dates back to the early 1900s. Unlike much of Michigan, it boasts a highly maintained turf, an extensive lilac collection, and a perennial garden (as seen in the Jan. '81 issue of *Landscape Architecture*).

These summer internships promise plenty of opportunity for professional growth in various aspects of horticulture. Interns will earn \$4.50 to \$5.50 per hour, work 40 hours per week, and develop a tan making you the envy of your friends.

Information untainted by levity can be found in the front hall. Interested parties should contact Deborah Elliott at 313-233-3031.

HOW WE SPIN IT

Friendly Reminder: Information intended for this publication must be received in 305 AldH by 4pm on the Thursday preceding publication. Thank you.

Unfriendly Reminder: Get the stuff to us on time if you expect to see it in print.

(Next Week: An incredibly sarcastic reminder presented in a veil in false courtesy.)

* * *

**Have A Week
Of Golden
Opportunity!**

twig bender

Volume 7/#38/September 29, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 2-6

TUE - Dept. Coffee Hour, Host:
S. Munson, 9:30am, 394
AldH

WED- Wednesday Seminar: *The
Hort. Dept. Responds to
ALARmisms: Public
Relations Strategies for
the '90's*, A. Hanchek, P.
Allen & E. Hoover, 4pm,
415 AldH

THR- Civil Service Mtg,
10:30am, 394 AldH
(Agenda TBA)

* * *

The Alar Scare wrecked significant if fleeting damage to the image of the apple industry, and misinformation is largely to blame. Fortunately, the Alar Scare of '89 has gone the way of the Grape Scare of '89 (to say nothing of the Coconut Scare, the Bing Cherry Scare and the Kiwi Fruit Scare. . .and we haven't even mentioned 1988!).

In this health-conscious-bordering-on-paranoia world we live in, there's bound to be another fashionable food fear in the near future. Are you prepared?

For example, what would you do if you had a panicky Meryl Streep on your hands, screaming at you in one of her unintelligible accents about the imaginary threat posed by, let's say, zucchini? Before you know it, you are being investigated by a House Subcommittee and discombobulated by media glare.

Wednesday's seminar/workshop can help you retain your poise.

"I am here to set the record straight," you'll declare, as an aggressive yet somehow admiring Joanne Woodward sits wide-eyed at her news desk, clinging to your every word while a grateful nation remains frozen with rapt attention.

Soon you will become the darling of the talk show circuit and master of the sound bite. And since talking heads are in more demand than ever, you can write your own ticket. Just think, Tuesday you're brunching with Diane Sawyer and Wednesday you're comparing scar tissue with Geraldo.

But don't stop there. Show business is the surest route to public office. Soon you're a Big Gun in Washington. Perhaps even the President. And when you talk, the world listens! (Unlike that time in the lab when your cooler broke and it took 18 mo. to get it replaced.)

Just think: all this and more can be yours, simply by attending Wednesday's seminar. What's more, you'll find out if apples really ARE safe to eat. (Better steer clear of the produce section until then. You can't be too careful.) - Ed.

* * *

THIRD WORLD RESEARCH

Graduate students who are doing research on third world conditions may be eligible for support via the MacArthur Program on Peace and International Cooperation. More information is posted in the back hall. You may also phone the MacArthur Program at 624-0832.

GET THINGS FIXED

Faculty, please note: Certain types of maintenance work, such as the installation of room darkening shades, pencil sharpeners, map rails, and classroom furniture repair, is performed by the Scheduling Office, Office of the Registrar.

Problems of any other variety are in the jurisdiction of the Physical Plant.

Please bring these all problems to the attention of Laura in 305. Thank you.

* * *

BELLS STILL RINGING IN OUR EARS

Anne Fennell sends greetings to the department and wishes to inform readers that she and Gary Yarrow were married on Aug. 19th at the Joseph and Veronica Fennell farm in Council Bluffs, IA.

* * *

WIPE OUT UNEMPLOYMENT

On-campus employment desired ASAP: Looking for 10-15 hr/week (weekends possible), \$6/hr (work-study possible). Applicant has lab/grhs exp. (formerly worked with Dr. Howard Rines in Agronomy). If interested, please contact Margaret Shore at 624-7296.

* * *

PLAY PENN

Applications are being accepted by Pennsylvania State for the position of Assistant of

Associate Professor of Plant Molecular Biology. Position is 85% research and 15% teaching. If interested, see the notice posted in the front hall.

* * *

HARD CASH, FREE

One thousand Graduate Fellowships will be awarded in March 1990 to individuals who have demonstrated ability and special aptitude for advanced training in science or engineering. Special consideration is being given to women and minority students. These are three-year fellowships. Deadline for applying is Nov. 9, 1989. Further info can be found in the back hall.

* * *

WHAT THE HAY

Twig Bender continues to hear murmurs about a hay ride sometime in October. Is anyone interested in organizing one? If so, please see Kathy.

* * *

DOOMSDAY PENCILED IN

There are two departmental refrigerators located in room 335. They are to undergo thorough cleaning the week of Oct. 2. If you have anything in either one of these creatures and you wish to see it again, please see Nancy Hinrichs. If you procrastinate, "everything will be history." (*Just curious, but how did Nancy get her hands on a thermo nuclear device? Things must be kinda lax at the NRC. - Ed.*)

* * *

SPEAKER SOUGHT

Suggestions are still being accepted for speaker to the "Kermit Olson Memorial Lecture". Please forward recommendations to Shirley Munson.

* * *

HORT SOCIETY PROJECT

Minnesota Green, the new community gardening project of the Minnesota State Horticultural Society, is looking for volunteers to assist in fall planting projects.

Work projects will include digging day lilies and other perennial and transplanting them to community greening sites in St. Paul and Minneapolis area. Please contact Rick Bonlender, Minnesota Green Coordinator, at 624-7752 (w) or 377-3333 (h) for more information about this and other planting projects.

* * *

GUARANTEED ALAR-FREE

Time to evaluate fresh apples. Shirley Munson needs 6 members for this unscheduled panel. (You will evaluate them on your available time.) There will be about two evaluations per week. To get involved, please sign up in 369 AldH or see Shirley in 362 AldH. (Meryl Streep need not apply.)

* * *

CHILL OUT

Anyone with materials in cooler 372 on the third floor is asked to remove them. This is the dehumidified cold room adjacent to the big lab 335. The

dehumidification system has totally collapsed so the unit needs to be scrubbed and cleaned. (For those with seed, there are several alternatives.)

Your speedy response will be appreciated.

* * *

TRAVEL ABROAD

Two opportunities for grad students have just been announced. The Luce Scholars Program offers professional apprenticeships in Asia to students in a variety of specialties. Placements are based on career interests and, while it is hoped that participants make a contribution to their host countries, the program is mainly intended to broaden the horizons of students; you need not teach.

The DAAD Fellowship for Graduate Study in Germany offers successful applicants just that. Experience West Germany for yourself. (Thousands of emigres from the East must know something.) Study in the FRG with a monthly stipend of 1010 to 1490 Deutsch marks, which should cover most of your expenses, and receive free air fare. Best of all, you need not follow the circuitous route East Berliners took. Proficiency in the native tongue (German) is required but it's never too late to sign-up with Berlitz.

Further info on both programs can be found in the back hall (by way of Hungary if you wish).

Have An Streep-Smart Week!

twig bender

Volume 7/#39/October 6, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 9-13

TUE - Dept. Coffee Hour, Host:
Laura McCann, 9:30am,
394 AldH

WED- Seminar: *Is Root
Cytokinin Level
Important in Plant Heat
Tolerance?*, Nawarat
Chaisompongpan, 4pm,
415 AldH (refreshments
served prior to sem.)

- "Career Opportunities At
Cargill" (an opportunity
to meet reps from the
firm's "Nutrena Feeds
Division"), 4-5:30pm, 110
Student Ctr

THR - Seminar: *New Directions
in Plant Health
Management*, R. James
Cook (who will receive
the "1989 E.C. Stakman
Award" on this occasion),
4pm, North Star Ballroom
(Student Ctr)

* * *

ALAR WATCH

Victims This Week0

*

*Professionals looking to upgrade
the "entertainment factor" of
their next development
conference should investigate
the latest revenue-generating
scheme by the super-innovative
Walt Disney Organization
(references herein to the Walt
Disney company, Walt Disney
characters, and the state of
Florida are used with exclusive
permission of the ever-litigious
Walt Disney Productions).*

*Disney is sponsoring a and ultra-trendy FAX line
professional development (407-363-6636).
conference entitled, "Landscape
Magic '90". It will be held Jan.
14-17 at the world-renown (and
still more famous than the Mall
of America) Walt Disney World
in Orlando, Florida (still a
greater haven for hell-bent-for-
fun types than Bloomington,
Minnesota).*

*This conference (not to be
confused with a "party")
features a keynote address by
Katy Moss (sic) Warner on,
"Horticulture Around Our
'World'". (They wanted to book
"Goofy," but alas, he had a prior
commitment.)*

*Also on the itinerary are "Self-
Study Experiences" (not to be
confused with pleasure pursuits)
at the still-more-famous-than-
The-Mall-Of-America "Disney-
MGM Studios Theme Park".
Additional SSE's are offered at
the Magic Kingdom Park, The
EPCOT Center, etc., etc.*

*As if this wasn't enough
excitement (as Boesky-like
Disney CEO Michael Eisner likes
to put it, "Excess is a virtue!"),
this quite-legitimate strictly-
business event concludes with a
fireworks-garnished extravaganza
featuring live entertainment and
the kind of freewheeling, high-
kickin' good times sadly lacking
at other scientific conferences.*

*State subsidizing
notwithstanding, it could be
years before the Ghermezians
managed to catch up with the
excesses that have been the
Disney trademark for years, so
why wait? Booking your next
conference at this Entertainment
Utopia is now easier than ever
with Disney's super-convenient*

*By the way, the tab comes to
\$1340 per person. A little
creative accounting should take
care of it. Besides, when was
the last time you experienced
the nirvana of having your
baggage carried by Mickey
Mouse? Not in Tulsa, that's for
darn sure. - Ed.*

* * *

FACULTY MEETING

The October Faculty Meeting
will be postponed until Oct. 17.
(It is being postponed due to
the Annual Extension
Conference.)

* * *

CIVIL SERVICE MTG

A Civil Service Meeting will be
held Oct. 12 at 10am in 394
AldH. One agenda item will be
the policy regarding the
"Outstanding Civil Service
Award". Please bring comments
and suggestions.

* * *

DIAL U HOURS

The hours of the Dial-U Clinic
will be 9am-2pm through
March.

* * *

THEM THAR EYES

200 pounds of potatoes was
stolen from the greenhouse
cooler. Keep your eyes peeled.

* * *

(see other side)

GARDEN PLOTTERS

Alas, another season comes to an end. All non-plant debris (hoses, stakes, plastic, string, etc.) must be removed from the garden plots before Oct. 15, at which time the field will be plowed.

* * *

SOCIAL CMTE NEEDS HELP

The social committee is now planning the Hort. holiday party. What we need (desperately) are your ideas for:

Time:

Place:

Date:

Got any good ideas? Please return this form to Kathy in 305 AldH.

* * *

NEW BOOK ON TOXICOLOGY

All public relations minded persons are invited to order *The Dose Makes the Poison*, a plain language guide to toxicology, written by the California State toxicologist, Dr. A. Ottoboni. The book objectively discusses risks and chemical safety issues as they relate to food, pesticides, etc. Cost is approximately \$12. See Alicia Borowski ASAP to order or Phil Allen to look at a copy.

* * *

STILL STEAMED ABOUT THIS

Steam Service will be interrupted this week in order to replace valves in the preheating system and present people with an unexpected form of inconvenience. This interruption begins at 8am, Oct. 10 and will continue until 4:30pm, Oct. 11.

* * *

GIVE IOWA A TRY

Iowa State University is seeking applications for the position of Research Director of the Utilization Center for Agricultural Products (UCAP). Applicants must be Ph.D.'s and the deadline for application is Dec. 1. A job posting is located in the front hall.

* * *

LIVING THINGS, FREE

Kittens from the celebrated HRC bloodline will be available to good homes in 1-1/2 to 3 weeks (they will be app. 4-1/2 weeks old at that time). They are described as "bright, intelligent, disease-free, and incredibly desirable" by Debby Filler, whom interested parties should contact via her AldH mailbox.

* * *

Have A Mickey- Mouse Week!

twig bender

Volume 7/#40/October 12, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 16-20

- MON-** Lecture: *Making a Garden From a Wilderness*, Beth Chatto, 6:30pm, Arboretum, \$25/person (dinner included), RSVP via Arboretum
- TUE -** October Faculty Meeting, 8am, 394 AldH
- Dept. Coffee Hour, Host: Fernande Rogers, 2:30pm, 394 AldH
- Lecture: *Creating a Garden Tapestry*, Christopher Lloyd (England's premier garden writer), 7pm, Earle Brown Ctr, \$5/\$7, RSVP via Arboretum
- WED-** Plant Breeding Discussion Group, 1pm, 394 AldH
- Wednesday Seminar: *Developing Effective Nutrient Seed Coating for Grasses and Legumes*, J.M. Scott, University of New England, Australia, 4pm, 415 AldH (refreshments prior to seminar)
- THR -** Thursday Afternoon Discussion ("TAD"): *Philosophy of the Written Preliminary Exam*, 4pm, 394 AldH
- FRI -** Lecture: *Managed Nature in Land Restoration*, Diedrich Bruns (German Landscape Architect & Land Planner), Noon, 30B Classroom Office Bldg.
- Hasselmo Inauguration, 2:30pm, Northrop

- Stampede Down Mall to Free Inaugural Reception at CMU, 4pm

* * *

ERRATA

Twig Bender erred last week in stating that Debby Filler would make her kittens available for adoption when they were 4-1/2 weeks old. They will actually be made available when they are 6-7 weeks old, app. 2-3 weeks from now. Please contact Debby if interested.

* * *

FORD FOUNDATION

Information detailing the application procedure to the Ford Foundation for predoctoral and postdoctoral fellowships for minorities are posted in the back hall.

* * *

RESUMES SOUGHT

M.S. students interested in pursuing their PhD's, particularly at a different institution, are asked to provide an updated resume to Evonne Kuyper no later than Wed., Oct. 18. Undergrad students interested in graduate studies should also inform Evonne by the 18th.

* * *

TEACH IN COSTA RICA

A new college is opening in Costa Rica and is seeking instructors. The Agricultural College of the Humid Tropic

Region will focus on developing a professional agricultural human resource capable of managing the fragile lands of the humid tropics through agriculturally efficient and ecologically sound practice. The school will open in mid-March. For further info, please see notice in the back hall.

* * *

AG CAREER DAY

This year's "Ag Career Day" is October 18. Details may be found by calling Career Services at 624-2710.

* * *

ENVIRONMENTAL TRUST FUND

Legislative Commission on Minnesota Resources invites you to attend a Conference Focusing on the Future of the Environmental Trust Fund. This "Natural Resource Congress" takes place Oct. 28, from 10-5:30pm, at the State Office Bldg (adjacent to the Capitol). A posting can be found in the front hall.

* * *

PRELIM QUESTION CALENDAR

The first horticultural written preliminary exam question may be taken from 8am-4:30pm on Oct. 19. MS students and PhD students who have not passed the oral preliminary exam should obtain the exam question from Evonne. The remaining four prelim questions this year will be given on Nov. 16 this year, and Jan. 18, Feb. 15 and Apr 19 in 1990.

SLIDES MISSING

Slides of Germany have been misplaced somewhere between Photo Lab, Hort. and HRC. Have you seen them? If so, call Peter at 474-6886. Thanks.

* * *

**HOLIDAY PARTY
PLANNED**

Anyone with suggestions for a holiday party is invited to fill in the form below and submit it to Kathy in 305 AldH. Your suggestions are needed for:

Time:

Place:

Date:

* * *

**INTERNSHIPS
AVAILABLE**

Grads and undergrads are invited to apply for paid internships through the MUCIA program. These internships provide opportunities for students to work with agencies involved in international development and education in Washington, D.C. and surrounding areas. Deadline for application is Dec. 1. Further info can be found on the grad bulletin board or by phoning Julie Nester at 624-5580.

* * *

ATT'N ALL WOMEN

We now have the true facts about the alleged attack outside

AldH: IT DID NOT OCCUR! However, there was a report of a woman being aggressively approached by a man near North Hall. By the time the police arrived no one was there. So we may relax a bit but please stay alert and exercise caution when working in the building at night.

(As submitted - Ed.)

* * *

HAYRIDE REMINDER

Remember the moonless hay ride coming up Oct. 20th.

* * *

NO IDLE THREAT

Cooler 372 (across from S. Munson's lab) will be cleaned out Oct. 18-20. There are some unidentified "things" in there which will be thrown away if not removed. Please check if you have ever stashed something in there.

* * *

**Have A
Great Week!**

twig bender

Volume 7/#41/October 20, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture

305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 23-27

MON- Seminar: *Free Trade With Canada-What's In It for Agriculture and Agribusiness?*, T.K. Warley & Larry Martin, 2:30-4:30pm, Cowles Aud., Humphrey Institute

TUE - Department Coffee Hour, Host: Evonne Kuyper, 9:30am, 394 AldH

WED- Horticultural Plant Breeding Discussion Group: *Genetic Diversity in Grapes and Early Breeding Efforts*, Peter Hemsted, 1pm, 394 AldH (samples available)

- Wednesday Seminar: *Cell Polarity in Plants: Historical Perspectives and Future Expectations*, Ralph Ouatrano, 4pm, North Star Ballroom, Student Ctr

THR- Thurs. Afternoon Disc.: *Plant Biology Symposium*, 4pm, 394 AldH

* * *

REMINDER

Please turn your Consolidated Fund Drive pledge cards in to Laura Kalisch. Thank you.

* * *

WORK IN SCANDINAVIA

Summer work assignments are available in Finland and Denmark through the American-Scandinavian Foundation's exchange program. Details can be found in the front hall.

SUGARBEET MEETING

The Sugarbeet Research and Education Board will hold its annual meeting Nov. 28 at the Moorhead Days Inn. Research and education needs for 1990 and beyond will be discussed and scientists with new research ideas may present them to the board for feedback. Written research proposals for 1990-91 will be due in the office of Allan W. Cattnach (State University Sta., Fargo, ND 58105) by Dec. 15 (30 copies).

* * *

SUPPORT FOR TA'S

A new service is available for graduate teaching assistants who need assistance with their teaching. A classroom consultant will visit classrooms, discussion section or labs, and provide feedback to the teaching assistant on skills concerning presentation, discussion, and responding to student questions. Call Connie Tzenis at 624-6556 to request the service. See grad board for details.

* * *

CONGRATS

Congratulations to Carl Sauter who bowled the Bowling Team over with a score of 233 on Oct. 18!

* * *

POPPER NEEDED

The office pop corn popper quit. Would anyone like to donate a new one?

* * *

PLANT MOLECULAR BIOLOGY FELLOWSHIPS

Graduate stipends of \$12,500 (plus tuition allowance) and postdoctoral fellowships of \$21,500 (plus a \$5,000 allowance) are available to people wishing to study at North Carolina State. Applications, due Feb. 1, are available by writing: North Carolina Biotechnology Ctr., PMB Fellowship Program, att'n Dianne Hinson, P.O. Box 13547, Research Triangle Park, NC 27709-3547. (Phone: 919-541-9366). Further info is posted on grad board.

* * *

POSTDOCTORAL FELLOWSHIP

The Alexander Hollaender Distinguished Postdoctoral Fellowship Program offers postdocs an avg. annual stipend of \$36,000 for 2 years. These fellowships are tenable at the Department of Energy labs listed on a brochure posted in the back hall. Applications due Jan. 16. See brochure for details.

* * *

MORE FELLOWSHIPS

The National Science Foundation is announcing the 1990 Graduate Research Fellowships and Minority Graduate Fellowships. These amount to \$12,900 stipends. Applications due Nov. 9. Details posted on the grad board.

* * *

Have A Great Week!

twig bender

Volume 7/#42/October 27, 1989

Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES OCT 30-NOV 3

TUE - Department Coffee Hour,
Host: Kathy Lloyd,
9:30am, 394 AldH

WED- Reception Honoring Dr.
Joseph Mukiibi, Ministry
of Agriculture and Dr.
John Mugerwa, Makerere
University), 1:45-3pm,
Votech Bldg Atrium, 1954
Buford Avenue

- Wednesday Seminar:
Extension in Transition,
Dr. Patrick Borich, 4pm,
415 AldH

THR- Thursday Afternoon
Discussion: *Discussion of
Oct. 19 written prelim
question*, 4pm, 394 AldH

* * *

PAPERS PRESENTED AT CROP SCI SOCIETY

The Turf Group, consisting of
Drs. Allen, Kearwer, Ruser and
White with Pellet and Olson,
were represented by seven
papers presented at the Crop
Science Society meetings held
Oct. 16-19.

* * *

UPCOMING SYMPOSIUM

A National Symposium on Stand
Establishment for Horticultural
Crops will be held at the
Airport Hilton hotel in
Minneapolis, April 4-6. The
symposium is being co-sponsored
by the University of Minnesota,
Minnesota Extension Service and
ASHS.

A Call For Papers requests titles
and abstracts no later than Dec.
15. Abstracts should be limited
to one page in length and
double spaced. Authors should
indicate their willingness to
present a poster as the number
of oral presentation may be
limited.

Further information is available
by calling Vincent Fritz at 507-
835-3620 or Cathie Bergum at
625-3775. You may also check
the announcement in the back
hall.

* * *

THANKS

Thanks go out to Claire, Emily
and Jim for so graciously
providing the office with a new
popcorn popper.

* * *

HELP NEEDED WITH PARTY

Volunteers are needed to help
plan a holiday party for Dec. 15.
A host and hostess for a
forthcoming Valentine's Day
party are also being recruited
(we plan ahead). Please see
Kathy in 305 AldH, who will
inform the Ad Hoc Social
Committee.

* * *

CALCULATOR FOUND

Who lost a calculator? Describe
it to Kathy Lloyd, it may be
yours! It was found Oct. 19 in
the Xerox room.

* * *

STRAWBERRY EVALUATION PANEL

Shirley Munson is looking for
five to six people who would
be willing to be on a
strawberry sensory evaluation
panel. This would be a
scheduled panel, twice a week
for about 3-1/2 to four weeks.
If interested, please sign up in
369 AldH. Be sure to list your
free hours.

* * *

STUDY IN GERMANY

The German Academic Exchange
Service (DAAD) is supplying
grants for study and research
in West Germany. Stipend
covers one to three months of
research, Ph.D.'s with two
years of post-doc work
teaching or research experience
are eligible, and the deadline is
Nov. 1. Details can be found on
the grad bulletin board.

* * *

CAMPAIGN CARDS DUE

Reminder: 1989 University
Community Campaign cards are
due in to Laura by Oct. 31.

* * *

HELP NEEDED WITH ROOM RENTAL

The Ad Hoc Social Committee
is planning a Holiday Party and
a \$50 deposit is needed for the
rental of the room. We need
the money by Oct. 29. Can you
spare \$2 each? If so, see Kathy
in 305.

**LIMITS ON POWER
USE ADVISED**

The electrical service capacity will be reduced for work on the main campus electrical service equipment. This interruption is to occur between the hours of 8am and 4pm on Sat., Nov. 4.

There will be no interruption of electrical service to any building. Non-critical ventilation systems will be turned off and all non-critical activity should be re-scheduled to reduce the amount of lighting and equipment in use. All non-critical departmental equipment should be turned off for the duration of this period.

Please notify Physical Plant Operations, Tim Coyle at 625-0336 of any problems which would prevent the interruption from proceeding on schedule or of any temporary service that would be necessary.

* * *

**VEHICLES
AVAILABLE**

Four departmental vehicles can now be signed out for department use: two compact station wagons 3420 and 3411, one full size station wagon 3434, and one full size pickup 3602. The pickup may be signed out through Roger Meissner. When using these vehicles please make sure you fill out the milage sheet and return the vehicle with a least half a tank of fuel. Report any possible vehicle malfunctions, credit cards for fuel missing or in bad condition and unacceptable condition of

the vehicle in regards to cleanliness.

Thanks.

* * *

AVOID BEING FINED

Attention: To avoid a \$500 fine do not use Extension envelopes for department use. Even if you cross off their address, this is illegal.

* * *

**DIRECTORY
INFO NEEDED**

Has everyone handed in their Staff Directory Form? Kathy Lloyd will be checking her list of returns and will contact you if you haven't.

* * *

**Have A
Great Week!**

twig bender

Volume 7/#43/November 3, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES NOV 6-10

MON- UAC Meeting, 11am-1pm,
398 AldH

TUE - GSC Meeting, 11am, 398
AldH

- Dept Coffee Hr, Hosts:
Edith Lurvey, Nancy
Hinrichs, 9:30am, 394
AldH

- Plant Biology Seminar:
*Nitrogen Starvation and
Repletion in a
Unicellular, Non-
Nitrogen-Fixing
Cyanobacterium*, Mary M.
Allen, 4pm, 70 Bio-
Science Ctr

WED- Wed. Seminar: *Control of
Long Day Floral
Initiation Euphorbia
pulcherrima*, Michael
Evans, 4pm, 415 AldH

THR- Thursday Afternoon
Discussion: *Variation in
Poa annua L. Using the
Pic Model System*, Paul
Johnson, 4pm, 394 AldH

* * * LOST & FOUND

Eyeglasses were found in Dr.
Hertz's office. A scarf was
found elsewhere. To claim,
please see Kathy in 305 AldH.
You will be cross-examined.
Just a matter of form.

* * *

PLANNED EVENTS

A "Happy Hour" is in the works
for Nov. 10. So far, this is just
a rumor.

A "Holiday Party" is being
planned for Dec. 15 at the
White Bear County Inn. This is
not a rumor.

A "Sleigh Ride" is considered a
likely possibility for Dec. 8.
(Same as the "hay ride," but
with snow instead of hay.)

A "Pot Luck" is penciled in for
Dec. 22.

New Year's Day is likely to
occur on Jan. 1.

* * *

WASHINGTON-BOUND

Signe Betsinger will be in
Washington, D.C. this month,
visiting a number of agencies
such as, NIH, DOE, EPA, and
USDA. If you'd like her to carry
along an abstract of yours,
please send it to her by Nov.
13.

* * *

COMPUTER ACCESS

Four databases - AGRICOLA,
AGRIBUSINESS, WATER
RESOURCES and SCIENCE
CITATION - are available free
for use by faculty, students and
staff in the St. Paul Central
Library. Further info is available
on a yellow flyer in the front
hall.

* * *

NEW PHONE BOOKS

will be delivered soon. The old
Student/Staff directories will be
picked up at that time for
recycling. Please deposit your

1988-89 Student/Staff
directories in the back hall as
soon as possible so that they
may be picked up.

* * *

PLANNING TO TEACH?

A course is being offered for
graduate students who plan to
teach agriculture. It is entitled,
"Effective Teaching in a
College of Agriculture," (AgEd
5130). For more info, contact:
Dr. George Wardlow
(instructor), 624-2221.

* * *

VISITING PROFESSOR

Mary M. Allen, professor of
Biology at Wellesley College,
will be visiting the department
of Plant Biology on Nov. 7. She
will give a seminar that day at
4pm (see calendar above). (Dr.
Allen has worked for many
years on plant nitrogen
metabolism, especially in the
blue-green algae.) Anyone
desiring a private audience
with Dr. Allen should contact
Florence Gleason at 625-4275
or leave a message with the
Plant Biology office.

* * *

HOUSE CLEANING

Propagation room users should
remove their plant material
from "House GI-B" by Nov. 9
because the room will be
cleaned out at that time. (If
you need propagation space,
contact Roger Meissner.)

Have A Great Week!

twig bender

Volume 7/#44/November 10, 1989
Editor: Mr. Not Fessing-Up

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES NOV 13-17

MON- UAC Mtg, 11am, 398
AldH (not Wed. as
planned)

TUE - Faculty Mtg, 8:30am, 394
AldH

- Department Coffee Hour;
Hosts: Maria Janssen,
Joni Stapfer; 9:30am; 394
AldH

WED- Wednesday Seminar: *The
Agony and the Ecstasy
of Developing Alternative
Crops*, Luther Waters
(joint seminar with Soil
Sci.), 3pm, 335 Borlaug
(refreshments following
seminar, \$1 donation
requested)

THR- Thurs. Afternoon Disc.:
ABCs of Pesticide Safety,
Alicia Borowski, 4pm, 394
AldH

* * *

READ THIS

The Office of Educational
Development Programs, a unit of
the Office of Academic Affairs,
is seeking a 50-75%
Administrative Fellow to assist
the director with programs to
improve undergraduate teaching
and learning. Minimum
qualifications include a
bachelors' degree and current
registration in a U of M
graduate program. Further
details can be found in the
front hall.

* * *

READ THIS

The Prelim Question will be
broached Nov. 16 in 394 AldH.
Please see Evonne for question
between 8am and 4pm.

* * *

READ THIS

Whenever service calls are
placed with Physical Plant or
other service agencies, be sure
to inform the front office,
otherwise no one will know
where to send them when they
arrive.

* * *

The Sinatra Doctrine? Get outta
here.

* * *

READ SOME OF THIS

There are a ton of social events
in the works. In order to make
them possible, everyone reading
this is being asked to donate \$2
via Kathy in 305. Events being
planned include: a reception for
new faculty members (Nov. 21 at
3pm in the front foyer), a
Valentine's Day Party, a non-
sectarian "Holiday" Party,
upcoming retirements, a pot
luck, a sleigh ride, etc., etc.

Another event in the works is a
"cookie exchange" (non-
sectarian). This will take place
in December. Those interested
need to contact Kathy in 305
AldH. (It will take place on a
Monday at Noon.) *There will be
no comment about Ethiopia this
year, so call off those back hall
commandos.* - Ed.

* * *

READ THIS

A jacket was found two weeks
ago in room 398. Please see
Kathy in 305 AldH.

* * *

READ THIS

A scarf was found in the
Ladies' Room recently. We go
to press with the certainty
that the owner will claim same
in 305 AldH.

* * *

*They are tearing down the
Berlin Wall, yet I still sit in the
same little corner. Something's
wrong somewhere.* - Ed.

* * *

READ THIS

*We hasten to remind Twig
Bender readers that "Beckwith"
work orders require the name
of the professor making the
order. Otherwise, the friendly
folks in the Accounting Office
will not know exactly whom to
bill. "Thanks" with five
exclamation points.*

! ! !

*Now that the Berlin Wall is
gone, Twig Bender has
forgotten which leg of its
pants to put on first.*

* * *

READ THIS

*Lead Paragraph of the Week:
"Cereal grains are the basic*

diet of every person on earth. Everyone is threatened when diseases destroy cereal crops or lessen the harvest yield."

The Winner: The press release for "Ancient Crops/New Technologies" (snappy name, also), a seminar being conducted Nov. 14, Noon - 1:30pm, Radisson University Hotel, (\$15 fee). For further info, see notice in the front hall.

* * *

Now that the Berlin Wall is about to be torn asunder, why don't they make good use of the materials? For example, it could be used to seal-off all the McDonald's Restaurants in the West. (Note to Ray Kroc - "Just kidding.") - Ed.

* * *

READ THIS

International grants for people interested in human rights (the latest global "fad") are offered via both the "MacArthur Interdisciplinary Program on Peace and International Cooperation" and "The Human Rights Center". See Laura in 305 for details. Catch the wave.

Next week: How to preserve the Amazon Rain Forest, with a guest appearance by Sting.

* * *

What do Sam Donaldson and the late Leonid Brezhnev have in common? No. . .besides that.

* * *

READ THIS

The Last Announcement: Laura has itineraries and resumes for the four final applicants to the position of "superintendent" at the Southern Experiment Station in Waseca. Those interested may peruse at their leisure.

* * *

And now. . .

Have A "Sinatra" Week

(Thanks to Grenady Gerasimov for suggesting this week's benediction. Francis Albert could not be reached for comment. However, Kitty Kelly thought it "quaint". - Ed.)

A HANDY FORM

----- CLIP & USE! -----

Dear Twig Bender:

Stop horsing around.

Sincerely,

(your name)

(the name of an influential friend)

----- CLIP & USE! -----

twig bender

Volume 7/#45/November 17, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES NOV 20-24

* * *

TUE - Department Coffee Hour,
Hosts: Ken McNeal &
Mark Streffler, 9:30am,
394 AldH

REMINDER

Social Committee Reminder:
Have you turned in your \$2
donation? See Kathy in 305
AldH. Thank you.

THR - Thanksgiving. University
Holiday

* * *

FRI - University Holiday

* * *

Have A
Great Thanksgiving!

COOKIE EXCHANGE

Three people are interested in
the Cookie Exchange. Anyone
else interested? Please see
Kathy in 305 AldH to sign-up.

* * *

AGCITEMENT APPAREL

"AgCitement Sweatshirts" and
"AgCitement T-Shirts" are
available in 305 AldH (prices:
\$16.50 & \$8, respectively).
Don't be the last in your lab to
sport one.

* * *

RECEPTION

The date of the reception for
new faculty has been changed
from Nov. 21 to Nov. 28. It
takes place at 3pm in the foyer.

* * *

GIFT SUGGESTION

A gift suggestion for the
Holiday Season: Give to the Red
Cross in the name of the person
who would receive the gift
normally.

twig bender

Volume 7/#45/November 22, 1989
Editor: We're Not Talking

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES NOV 27-DEC 1

TUE - Ultra-Fashionable and
Mighty Nice Coffee Hour,
Hosts: Dimitrios
Dimitiglou and Wesley P.
Hackett, 9:30am, 394
AldH

WED- UAC Meeting, 11am-1pm,
398 AldH

- Seminar: *A Lifetime
Perspective of
Agricultural Extension*,
C.G. Hard, 4pm, 415 AldH
(refreshments before
seminar)

- Fun Demonstration: *Mind
Reading*, Don Tracy,
4:15am, Beckwith Copy
Center

THR- Thursday Afternoon
Discussion: *Anatomical
Changes of Broccoli in
Storage*, Walter Barker,
4pm, 394 AldH

- Celebrity Seminar:
*Allocution Tips For
Success*, Tom Brokow,
Barbara Walters and the
late Jessica Savitch, 3am,
Broom Closet

THE FIRST ITEM

The silver-blue tap, thermal
coffee server is missing. Please
return to Shirley Munson. Thank
you.

THE SECOND ITEM

Congratulations are due James P.
Spychalla upon the successful
completion of his PhD exam.
*Personal note to James: Careful!
One false move and you may
wind up in Des Moines (aka
"Palookaville"). - Ed.*

Garrison Keillor's back! (Scream
if you wish.)

THE THIRD ITEM

The American Society for
Horticultural Science is
accepting applications for the
1990-91 ASHS Congressional
Fellowships. Deadline is Jan. 15.
This fellowship affords lucky
recipients the opportunity to
apply their expertise as special
legislative assistants on the
staffs of members of Congress
or Congressional committees.
Considering the caliber of
personality the ex-speaker of
the House formerly employed,
seemingly anyone has a good
shot at this one. And what a
thrill to rub shoulders with the
best and brightest this country
can produce! (Where do I sign?)

See Laura in 305 for details.

THE FOURTH ITEM

The College of Biological
Sciences is seeking a person to
coordinate and manage a newly
formed central facility for the
support of our undergraduate
teaching laboratories. Honestly.
If you don't believe it, see the
notice in the front hall.

* * *

Cleanliness is next to
Godliness.

After that comes Beaverdale,
Blue Knob, and Altoona.

* * *

THE FIFTH ITEM

Wesley P. Hackett has been
appointed an Adjunct Faculty
member of the Department of
Forest Resources.
Congratulations Dr. Hackett!

* * *

THE SIXTH ITEM

Reminder: When submitting
copy orders to Beckwith, be
sure to completely fill out the
form. Orders have been placed
recently with no indication of
the quantity of copies
requested. What do you think
they are, mind readers?! (*Well,
they are, actually. . .but that's
beside the point.*)

* * *

THE SEVENTH ITEM

Plans for the Event of the
Epoch, "The International,
Star-Studded, Award-Winning
and Non-Sectarian Cookie
Exchange," will take place on a
Monday, probably before Dec.
20 or thereabouts (we think).
Four fortuitous individuals have
already signed-up. You could be
next. (Remember, opportunity
only knocks once. Well, four
times, actually. . .but that's
beside the point.)

We thought the Rev. Ralph (*The Walls Came Tumbling Down*) Abernathy's publisher brought the publicity stunt to a new low when they arranged the recent earthquake in California. But then the Berlin wall fell. (We tremble at the thought of what these slap-happy funsters dream-up for the inevitable paperback reissue of this fascinating and ultra-sensitive bestseller.)

* * *

**THE EIGHTH
ITEM**

We welcome Dr. Amparo Sanz to our department. Dr. Sanz is working with Mark Brenner's lab on the role of endogenous auxin on partitioning of photosynthates in tomato plants. She is an associate instructor in the Department de Biologia Vegetal at the Universidad de Valencia, Valencia, Spain.

* * *

General Notice: Better start practicing your German.

* * *

**THE NINTH
ITEM**

Stop by 161 Alderman to see the one-of-a-kind holiday decorations and strings of mini-lights. Lower-than-a-slug prices on items donated to MSHS - \$\$ from purchases benefit Minnesota Green.

Some excellent books and floral-theme gift items are also available from Gifts for Gardeners listing in October *Minnesota Horticulturist*. Stop in M-F 8am-4:30pm or on Sat. mornings Dec. 2, 9 or 16.

**THE TENTH
ITEM**

Taste buds have been dancing ever since the Horticulture Non-Sectarian Holiday Party was announced. In case you missed it, this event takes place Dec. 15. Dinner is at 7pm. Social hour begins at 6. Kathy will be happy to show you the pasta-based menu at her formica-based desk. Price tag is \$13.25 which is a pretty good deal, all things considered.

Warning: This event is poolside, so don't stand near Evonne unless someone holds on to your wallet during the inevitable melee. (*By the way, you never did replace my stamps! - Ed.*)

* * *

Nils Hasselmo.

* * *

**THE ELEVENTH
ITEM**

Penultimate Notice: the social committee could use some help with the impending reception for new faculty. (Does anyone know how to operate a dunk tank? Just kidding.)

The reality of this is that help is needed with desserts and sweets (presumably the provision of them, as opposed to consumption). There's a sign-up sheet in the back hall with space for your signature. Need we say more?

* * *

**THE TWELFTH
ITEM**

The "Social Committee" needs your support. Two bucks will do nicely. Thank you and have a good day. For three big ones, we'll wish you a great week. Come to think of it, we traditionally do that in this space, anyway. . .

**Have A
Great Week
With All
The Trimmings!**

twig bender

Volume 7/#46/December 1, 1989
Lame Jokes: Lame Duck

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES DEC 4-8

SAT - Holiday Open House,
11am-3pm, Arboretum
(details below)

SUN - Holiday Open House
continues

TUE - Traditional Shirley
Temple Black Coffee
Hour, 9:30am, 394 AldH,
Hosts: Angella Drexler,
Phil Allen (tap dancing
lessons provided by
Arthur Murray)

THR - Annual Faculty Meeting,
8:30am, 394 AldH (details
below)

* * *

*Well, it didn't take long for
Europe's freedom frenzy to
reach Twig Bender readers.*

*First the Berlin Wall falls. Then
the Czechs bounce with glee
over dissolution of their
bureaucratic baddies. Now,
hordes of saber-rattling
malcontents have surrounded
Twig Bender offices, demanding
a personnel shake-up!*

Such ingratitude.

*Our editorial brain trust has
always had the best interest of
the readers at heart (if not the
readers' interest). Still, fearing
a Gorbys-inspired coup, we
promise to make the following
radical changes, double-quick:*

1. Fewer lies.
2. Funnier jokes.
3. A democratic legislature,
duly appointed by secret

*ballot and accountable to
the will of the people.*

*Pretty darn broadminded of us,
don't you think?*

*Hopefully, this will keep these
drunk-on-democracy demagogues
at bay. Let's show a little
prudence! Remember the words
of George Herbert Walker Bush,
who said. . .*

Who said, er. . .

*We'll try to find that quote for
you next week. In the meantime,
keep watching this space. - Ed.*

* * *

SEASONAL FESTIVITIES AT ARB

As stated in the calendar above,
the Minnesota Landscape
Arboretum is holding its annual
Holiday Open House from 11am-
3pm, Dec. 2-3. Here's a sampling
of the festivities in the works:
a performance by the Wayzata
Women's Choir and harpist
Karen Cross on Saturday,
strolling carolers from the
Minnetonka Triple Trio and
dulcimer music by Dave Jordahl
on Sunday, for kids: greeting
card workshops and puppet
shows, for Adults: a workshop
on making holiday arrangements
for the home with fresh balsam
and pine.

As if this wasn't enough, tours
of the celebrated "Festival of
Trees" will be conducted during
the Open House, with unique
hand-made ornaments displayed
and explained. (The tree display
remains open to the public until
Dec. 31, excepting Dec. 24-25.)

There is no admission, other
than the usual \$3 gate fee, to
attend this annual yuletide
event. For further information
call 443-2460.

ANNUAL FACULTY MTG

As eluded to in the above
calendar section, the "Annual
Faculty Meeting" takes place
Thr., Dec. 7, at 8:30am in 394
AldH. All Associate and Full
Professors should plan to
attend if at all possible.
Documentation for all
probationary faculty and the
promotion documentation is
available for faculty reviewal in
John Carter's office.

RING LOST

A diamond engagement ring was
recently lost in the tissue
culture lab. If found, please
notify Stephen Ryu at 624-2264.

THANKS FROM THE RANKS

Thanks again Shirley, Betsy,
Deb, Charlene, Emily and
Evonne! You're really life
savers and great cooks.
(Accolades are also due Kathy,
who did a terrific job of
organizing and setting up the
whole reception for Tuesday.)

Ad Hoc Social Committee

STOP & THINK

Kinda makes you stop and
think, doesn't it?

(Please see reverse.)

NEW STAFF

We welcome Linda Jorn, recently hired by COA as "Coordinator for Instructional Computing," to Alderman Hall. (Linda will serve in the position formerly held by Mark DeBower.) Linda is currently completing her masters program in Technical Communication and has participated in a number of software design teams as a research assistant with the Rhetoric Department. Her background also includes teaching, training, and network management.

Linda begins teaching Agri 1200 ("Computers In Your Profession") winter quarter. Her office is 310 Alderman Hall. Be sure to stop by and say hello.

UPCOMING FACULTY ASSEMBLY

Mark your calendars and plan on attending the Fall Quarter Faculty Assembly on Dec. 11, 1-3pm, 335 Borlaug Hall. Agenda items should be submitted to Paulette Collins, COA, 277 Coffey Hall, by Dec. 4. A final agenda will be distributed Dec. 5. The meeting will be conducted by Acting Dean Keith Wharton. All faculty, academic staff, civil service personnel, and students are invited.

PENDING COLD SNAP

The cold has come in and it is time to plug in. Starting Dec. 1, please plug in the department vehicle you use, upon your return. Also please unplug the vehicle you are using before you leave (unless you have an extremely long extension cord).

ATT'N: UNDERGRAD ADVISERS

All undergrads have been sent scholarship application forms by now. Please remind your advisees to turn them in by Fri., Jan. 5 to Deb Brown, scholarship chairperson, or Evonne Kuyper in the main office. (Anyone needing an application should see Evonne.) Thank you.

GIFT GIVING SUGGESTION

There is no better gift for the gardener on your list than a membership in the Minnesota State Horticultural Society. A \$20 individual membership brings a full year (9 issues) of *Minnesota Horticulturist* plus opportunities for discounts on programs, use of the lending library, etc. Just call 624-7752 to order.

ANOTHER GIFT GIVING SUGGESTION

Give plenty of gifts to *Twig Bender*. Cash preferred. Large denominations. You won't regret it, honestly.

STICK TO THE FAX

At long last, the FAX has arrived! The machine is located in 305 AldH by Diane's work station. Please feel free to come in and check it out. Remember that faculty contributing to the purchase will not be charged a user fee (for one full year), so if you are interested in participating in this deal, contact Laura Kalisch. The number for the FAX is 612-

624-4941. Thanks to everyone who has already contributed!

PEACE IS THE WORD (HAVE YOU HEARD?)

There are plenty of overseas opportunities with the Peace Corps for farmers, gardeners, foresters, biologists, and munitions experts. (Just kidding 'bout that last one.) The Corps will conduct a information seminar on Wed., Dec. 6 at the Old Federal Bldg. at 3rd Ave. S. & Washington Ave. in downtown Mpls (enter via the 3rd Ave. entrance).

Showtime is 7pm. Arrive by 6:45pm to facilitate frisking.

More credible information is available at: 334-4040.

FAN MAIL

Dear Twig Bender:

I may have atrocious diction, but at least I know how to spell "elocution".

Sincerely,

Tom Brokaw

*

Dear Mr. Brokejaw:

Not only that, but you're "best buds" with Robert Redford. Pretty heady, pal.

P.S. We apologize for not returning your calls. We inexplicably thought they were from Foster Brooks.

Half A Crate Weak!

twig bender

Volume 7/#47/December 7, 1989
Lame Duck Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES DEC 11-15

ALL - Holiday Parties (non-WEEK sectarian and otherwise) are taking place all week! Some are listed below, while others you will have to discover for yourself. Suggestion: if the house lights are on and there's more than three vehicles in the driveway, walk right in and say, "Hi! I'm a war buddy of the host/hos-tess. Where's the dining room?"

TUE - Dept. Coffee Hour, 9:30am, 394 AldH, Hosts: Dave Davis, Emily Hoover

- GSC Meeting, 11am, 398 AldH (see above blurb for "gate crashing" suggestion)

* * *

Despite Twig Bender's generous 3-point plan to appease the hooligans rioting at our gates, they insist that change isn't happening quickly enough!

We haven't seen such outrageous ingratitude since. . .well, since last week!

We beg your patience. As we go to press, our head hunters are scrambling to find a new editor with the following characteristics: 1) respect for the sensitivities of our readers, 2) a firm grasp of the English language, and 3) no secret vendetta against Journalists more successful than (s)he.

(Clearly, yours truly is not being considered and has, in

fact, already been given his walking papers, Honecker-style).

Unfortunately, hopes of snaring Kent Hrbek for this slot were dashed when the articulate, water-treatment-system pitchman withdrew his name from consideration, in deference to a more-lucrative \$14 million offer from the Minnesota Twins. (Just as well. His name would have driven our proofreaders batty!)

Rest assured, Twig Bender's door will remain open until we find just the right candidate to appease our readers. (Actually, our door happens to be reinforced with filing cabinets at the moment, but that's beside the point.)

Bear with us! Change is in the making!!! Now. . .will the person responsible please return the publisher's dog? - Ed.

* * *

GOOD NEWS

Congratulations are due Marna Ericson upon passing her written pre-lim exam on plant physiology! Well done!

PAY THE TWO DOLLARS

The Social Committee asks, "Have you turned in your two dollars yet?" (Hope so. That's how our social functions are supported.) If not, please see Kathy in 305 AldH.

A WARNING

The Cherrywood Room in the Student Center plans to serve "lutefisk" (fish-flavored Jell-o)

on Dec. 8, its final business day before quarter break.

In fact, the entire menu takes on the trappings of a "Scandinavian Holiday Lunch". Rumor has it that Nils will work the kitchen, personally overseeing production, as well as assisting in medical emergencies.

(We all know that N.H. is "the Swede we need," but is a dead cod soaked in chemicals more commonly used to clean out clogged plumbing fixtures really the "feed" we need? Sure, "fiber" is theoretically good for you, but they haven't advocated the consumption of Drano yet, have they?)

As a convenience to its patrons, the Cherrywood Room has installed a coin-operated insurance machine near the entrance especially for this culinary red letter day.

Immediately upon closing, the decontamination crew that hosed-down Sibley High will begin eradicating the Cherrywood Room of all traces of this Scandinavian delicacy before it contaminates other parts of the campus. If all goes according to plan, the popular eatery will be fit for human use by Jan. 2.

The Earle Brown Pumpkin Cafe (how would you like to have this place named in *your* honor?) will similarly be closed Dec. 8 and reopen Jan. 2. The relatively-safe, lutefisk-free Terrace Cafe, on the otherhand, will be open from 7am-2:30pm during this period.

Please see reverse side

GRADING SUGGESTION

Deadline for grade submission to Evonne is 11am, Tue, Dec. 12. This permits time for signatures and carrier service. Don't waste time pondering over that grade curve! Your students will all be satisfied with a "B". Take our word for it!

JUST A COUPLE OF OBLIGATORY INTERNSHIP/ FUNDING OPP'S AND THEN IT'S STRAIGHT TO THE PARTY ANNOUNCEMENTS

Opportunity #1: Self-motivated, ambitious and experienced individuals with good posture and no criminal record are encouraged to apply for 6 to 12 month internships at the Toledo Botanical Garden in Des Moines. (*Whoops! We mean, "Toledo".*) You may phone Janice A. Tolson for more information at 419-536-8365. Or, save the nickel by perusing the information posted in the front lobby.

Opportunity #2: As usual, another unsuspecting foundation is doling out money to anyone who cares to ask for it. This time, it's the Bedding Plants Foundation (Inc.). The funds are meant to support research in the areas of insect and disease control, variety improvement, cultural techniques and shipping and handling (*sic*). More info is available from Laura in 305 AldH.

THE FIRST PARTY ANNOUNCEMENT

Mark your calendar for an old-fashioned potluck lunch, Wed., Dec. 20, to honor Shirley Munson, who is retiring at the end of December. The sign-up

sheet for food is on the bulletin board across from the grad student mailboxes in the back hall.

Best wishes, Shirley!

ANOTHER PARTY ANNOUNCEMENT

Chad Finn rang us from the University of Missouri to invite *Twig Bender* readers *en masse* to a holiday celebration on Dec. 21 at their former home (now the Lutheran Campus Ministry) near the St. Paul campus co-op. Despite the setting, Chad and Barb stress that this is a "non-sectarian" holiday observance and that people of all nationalities, colors and creeds are welcome. That is, with the exception of any religious sect the group, through majority rule, decides to exclude from the festivities (isn't democracy wonderful?) As long as you don't start speaking in tongues on your way to the punch bowl, you'll probably survive everyone's scrutiny.

STILL ANOTHER PARTY ANNOUNCEMENT

The Official, Newly-Improved, Alar-Free, Non-Sectarian-Type Office Holiday Party takes place Dec. 15 at the White Bear Country Inn in White Bear Lake. Buffet will be scooped-up beginning at 7:30pm. But you'll want to arrive early for the "social hour" at 6pm, since that's when the vast majority of embarrassing *faux pas* occur.

In addition, a special non-sectarian party game utilizing "White Elephant" gifts is being planned by recent pre-lim-exam-survivor Marna Ericson. (*Please Note: The term "White*

Elephant" is not meant as a disparaging reference to the Republican Party. Certainly not in regards to its impervious control of the Executive Branch, anyhow.)

YET ANOTHER PARTY ANNOUNCEMENT (YAWN)

Amazing how any old excuse is reason enough for a party at this time of year. For example, since rumor has it that desk jockey/polka aficionado Jay Hopkins is leaving Alderman Hall, a farewell noontime outing has been hastily arranged to commemorate the occasion Dec. 15 at the notorious "Mayslacks Polka Lounge". This is one event which your editor seemingly cannot weasel out of, so come early and get in your last licks. (What with the Non-Sectarian, "pasta-based" buffet taking place in White Bear Lake later that evening, Dec. 15 could prove to be the gastronomic equivalent of Pearl Harbor Day (that's right: a day destined to "live in infamy").

AN ANNOUNCEMENT ONLY PERIPHERALLY- RELATED TO A PARTY (RARE)

"Good luck to Dr. Shirley Munson upon her retirement, to Jay Hopkins for his new career, and 'Happy Holidays' to everybody in Horticulture."

Dimitris D.

* * *

**Have A Festive And
Non-Gluttonous Week!
(Sectarian Or Otherwise)**

twig bender

Volume 7/#48/December 15, 1989
Editor: Jay Hopkins

Horticultural Science & Landscape Architecture
305 Alderman Hall/Saint Paul, MN 55108

DATES AND TIMES DEC 18-22

MON- Christmas Party in Hardiness Lab, 4pm, 290 AldH ("Celebrate the passing of 1989 and wish a promising coming year. Bring something for everybody.")

TUE - Pre-Christmas/Chanukah, Post-Thanksgiving, L u t e f i s k - F r e e Departmental Coffee Hour and Jello Wrestling Tournament, 9:30am, 394 AldH, Host: David Olson.

* * *

Great news!

The Ghermezians have agreed to become the new editors of Twig Bender! This will undoubtedly usher in a new era of journalistic excellence!

Beginning next week, this once-modest rag will become a 19-volume encyclopedic journal of exciting events happening in the wonderful world of Horticulture (in 18 languages, no less)!

"It will be the most important publication in the history of the universe!" states Eskander, demonstrating a customary flair for understatement.

(And readers thought Twig Bender was going to seed!)

But their plans do not stop there: "We'll have animated graphics, in full-color and three-dimensional!" boasts the megalomaniac mega-mall visionaries.

"USA Today will go under in three months. In fact, publications in our immediate galaxy will cease publication

within one year and throughout the entire universe a few days later. Nothing will be able to compete with The Ghermezian's Twig Bender (tentative title)."

Well, this sure sounds like a good deal to us. I may be abandoning the post of editor, but, dang it, make me your first new subscriber!

You'll see the first issue of the New And Improved Twig Bender next week! Happy reading. - Ed.

* * *

CONGRATULATIONS

Debby Filler passed her written prelim in Plant Breeding!

OFFICE HOLIDAY PARTY

The office holiday party takes place tonight (Dec. 15) at the White Bear Country Inn, but *not* poolside, as reported earlier.

Reminder: Marna Ericson needs "white elephant" gifts from all participants. Lest we were unclear last week (heaven forbid!), a "white elephant" gift is something of virtually no value (example: a "Civil Service Cost of Living Increase"), gaily wrapped and distributed at Super-Glamorous, Incredibly-Unpredictable Affairs such as the aforementioned party. We hope to see you there.

THANK YOU

"We would like to extend a long-overdue thank you to everyone who expressed their concern and offered help during these past 7 months since my parents' car accident. They are still recovering from all of their

injuries, but life has returned to a semi-normal state. Given time, all should be normal again. Thank you again, it is very much appreciated."

Joni and Rick Stapfer.

TOM'S LEAVING

Tom Ladoux will be leaving at the end of this year. Next week will be his last week in Horticulture. We wish him well on his new endeavor, which might be with the St. Paul Campus Ground Crew.

Good luck Tom!

INTERVIEWING WORKSHOP

The Extension Service is offering a 60-minute workshop in sharpening interviewing skills. Workshops run from 10am-11am and take place on the following dates: Dec. 12, 13, & 18; Jan. 10, 16, 24, & 31; Feb. 6, 7, 13, & 14. Please see Laura in 305 for details.

MEET THE FINALISTS

Interview schedules for finalists for the position of Vice President for the Institute of Agriculture, Forestry and Home Economics include the following events:

Dec. 20 - C. Eugene Allen will give an address at 3:15pm at the St. Paul Student Center Theatre, with a reception to follow.

Jan. 8 - Gregory Brown will give an address at 3:15pm at the St. Paul Student Center Theatre, with a reception to follow.

This, obviously, means free munchies on two separate occasions. Mark your calendars.

HEAR THIS!

It pains your recently-deposed editor to note that he will not be around Dec. 20-21 to enjoy the ceremonial "Fire Alarm Testing With Horns," which the Physical Plant has arranged for, as a special holiday treat for occupants. These guys are sentimentalists, after all!

FUND RAISING RESULTS

The following list gives the results of the 1989 University Community Campaign:

United Way of Mpls \$292,808
United Way of St. Paul \$68,386
Cooperating Fund Drive \$95,030
United Arts \$60,387
Combined Health Appeal \$67,805
Open Your Heart to the Hungry & Homeless \$121,059

1989 TOTAL = \$705,475
(1988 Total = \$580,612)

Thank you to all who made this year a huge success!

LEAVE APPLICATIONS

Single Quarter Leave applications are due in the College office on Jan. 24. If you are planning on submitting an application, please see Laura Kalisch.

VOLUNTEERS NEEDED

If there are any volunteers to help with Shirley's retirement party, please see Kathy in 305.

A TREE! INDOORS!

What's that in the front office? A tree? An actual tree, INDOORS?!

Incredible, but true: the Non-Sectarian Fir Tree in the main office was provided by Twin City Nursery in White Bear Lake (Sue Bauer's family business). Thanks to the gents at the nursery and to Evonne and Roger for lugging the darn thing indoors.

Next week, the office furniture will be transferred to "Mullin's Woodland".

RESEARCH POSITION OPEN

A research specialist position on a joint project of the Departments of Forest Resources and Horticultural Science is available. The appointee will conduct research on *in vitro* culture and micropropagation of conifers and coordinate activities in a Department of Forest Resources' laboratory. A Masters' Degree, a background in plant biology, and three boxtops from your favorite cereal is all that's required. Experience in plant tissue culture, particularly the culture of conifers, is desirable (and fresh fruit on top of the cereal makes a well-balanced breakfast and is a good source of fiber).

Deadline: Jan. 15. Contact Dr. Carl A. Mohn Forest Resources. Info available from: Dr. Mohn (before Dec. 30) at 624-7281, Dr. Wesley Hackett (after Jan. 1) at 624-9212. You might also scan the position posting in the front hall.

VISITING PROFESSOR

Dr. Lee Anne Chaney will be visiting Minnesota on Dec. 18-20. Those who are interested in seeing her socially are invited to a pot-luck get-together at Debby Filler's house on Tue., Dec. 20 at 7pm. Please see Debby (452 AldH) for a map and details.

PLANT SCRUBBED

A previously announced course in plant biology (PBIO 3960-Research Topics) has been cancelled due to absolutely no enrollment. (Guess "Commitment to Focus" is having an impact, after all!)

* * *

The Final Whimper: It is with considerable regret that I conclude my stint as the editor of this publication. (Don't let that crate of champaign fool you!) The intention all along has been to make this publication fun to read. I can't claim to have succeeded as often I would have liked, but at least the attempt was made. I've had fun with it and I hope the readers have also.

Now that I am a free agent, let me offer a personal suggestion: Take up a subscription to The New York Times and stop reading this nonsense. Best wishes to all.- Jay Hopkins

**Have A Great Week
And A Wonderful Life!**

twig bender

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Editor: Laura M. Kalisch

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DATES AND TIMES Dec 25-29

MON - Merry Christmas! (University Holiday)

TUES - UM Holiday

WED - Come Back to Work!!

* * *

Contrary to last week's *Twig*, the Ghermezain Brothers did not willingly agree to edit this weekly newsletter so the honor has returned to Me (Laura Kalisch.) Mr. Hopkins will be a difficult act to follow, not to mention the Brothers!

* * *

The Pea Root - *Aphanomyces euteiches* Soil Ecology Working Group (Allmaras, Davis, Fritz, Percich, Pflieger and Rosen) has just received \$97,000 from GMC's AURI under the Agricultural Energy Savings Program for "Integrated Cropping Management of Peas."

* * *

The 1990 MNL Convention is January 7,8 and 9 at the Hyatt Regency Hotel in Minneapolis. University of Minnesota participants include: Peter Ascher - MN Mum Project; Cindy Ash - fungicides, plant diseases; Jim Calkins - herbicides for shrub roses, native plant materials; Jeff Hahn - insects and insecticides, plant insects; Jim Luby - new plant materials; Bud Markhart - plant and water relations; Dave McNamara - pruning; Mary Meyer - native and exotic grasses; Bob Mullin - woodland wildflowers; Bill Schapp - biological control of Gypsy moth; Bert Swanson - tree wraps, pruning. If you want further information, call Bert Swanson (624-7432) or Jim Calkins (624-9231).

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The French Ministry of Foreign Affairs, through its Chateaubraind Scholarships, sponsors visits of 6 to 18 months by young scientists to French Laboratories. The program offers opportunities in the life and physical sciences and in the social sciences for doctoral students and postdoc fellows

from the US who have completed their degrees within the past three years. For more information see Laura Kalisch.

* * *

The 10th Annual County Extension Day is scheduled for March 16, 1990. The format for this year's Day will allow participants the opportunity to view a larger number of research projects and to interact with a wider variety of researchers, extension professionals, and other university faculty and staff. The Extension Service is interested in identifying research displays from within departments. If anyone is interested please see Laura Kalisch for an application form.

* * *

An Open Forum has been scheduled on the agenda of the January Board of Regents' meeting. The forum is open to any individuals wishing to address the Board of Regents on any subject relating to the University. Date and time are January 11, 9:30 a.m., at the Regents' Room. 238 Morrill Hall, Minneapolis Campus. For further details, see the flyer in the back hall.

* * *

Department Head candidates and their seminar dates are: Dr. Jerry Cohen, seminar at 3 p.m., January 9; Dr. Gary Gardner, 3 p.m., January 18; Dr. Charles Johnson, 4 p.m., January 23; Dr. Wayne Loesch, 3 p.m., January 30. More detailed information on each candidate is available in the office as will "final" schedules be as soon as they are formulated.

* * *

According to the schedules returned, Tuesdays remain the favored day for faculty meetings, at least for the winter quarter. So, for this winter quarter please plan on spending the second Tuesday of each month from 8:30 to 10 a.m. in room 394 Alderman Hall. EXCEPT January, which will be held on January 16. Immediately following that faculty meeting, a graduate faculty meeting has been scheduled as well.

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